abcam

ab240986

Anti-Cytokeratin 8 antibody [SP102] - BSA and Azide free

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.2 - 7.4 Constituents: PBS
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Carrier free	Yes
Clone number	SP102
Purification technique	Affinity purification Protein A/G
Concentration	1.03 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →
Purification notes	Purified from TCS by protein A/G.

Reactivity data

IHC-P

Tested

Species	Human

Dilution info	-
Notes	Primary antibody incubation for 30 minutes at room temperature.

Expected

Species	Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Pig
Dilution info	-
Notes	-

Flow Cyt (Intra)

Tested

Species	Human
Dilution info	-
Notes	-

Expected

Species	Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Pig
Dilution info	-
Notes	-

ICC/IF

Tested

Species	Human
Dilution info	-
Notes	-

Expected

Species	Mouse, Rat
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Pig
Dilution info	-
Notes	-

IHC-Fr

Tested

Species	Mouse
Dilution info	-
Notes	Primary antibody incubation for 30 minutes at room temperature.

Species	Rat
Dilution info	-
Notes	-

Expected

Species	Human
Dilution info	Use at an assay dependent concentration.
Notes	-

Predicted

Species	Pig
Dilution info	-
Notes	-

Target data

See full target information KRT8

Function	Required for the formation of KRT8/KRT18 filaments that are involved in ARHGEF40-mediated actin stress fiber formation and tensional force-induced stress fiber formation and reinforcement (PubMed:26823019). Together with KRT19, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	+4°C
Storage information	Do Not Freeze

Notes

ab240986 is the carrier-free version of ab227644.
What are the advantages of a recombinant monoclonal antibody?
This product is a recombinant monoclonal antibody, which offers several advantages including:

- High batch-to-batch consistency and reproducibility
- Improved sensitivity and specificity
- Long-term security of supply
- Animal-free batch production

For more information, read more on recombinant antibodies.

Conjugation ready
Our carrier-free antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. This conjugation-ready format is designed for use with fluorochromes, metal isotopes,

oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.

Use our conjugation kits for antibody conjugates that are ready-to-use in as little as 20 minutes with 1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.

Compatibility
This product is compatible with the Maxpar® Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar® is a trademark of Fluidigm Canada Inc.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

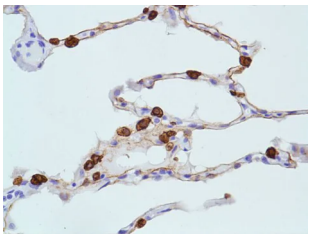
We do not recommend this combination. It is not covered by our product promise.

We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

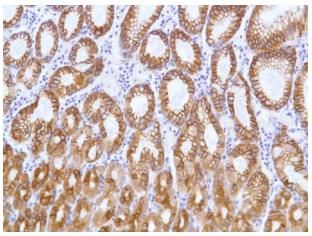
Full details and terms and conditions can be found here:
Terms & Conditions.

17 product images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - BSA and Azide free (ab240986)

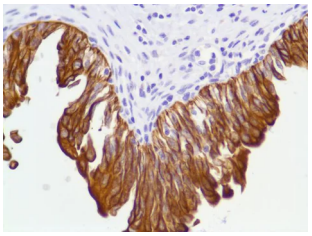
Formalin-fixed, paraffin-embedded human lung tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (ab227644)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - BSA and Azide free (ab240986)

Cytokeratin 8 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Cytokeratin 8 antibody

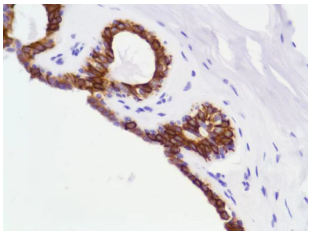
Formalin-fixed, paraffin-embedded human stomach tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (ab227644)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - BSA and Azide free (ab240986)

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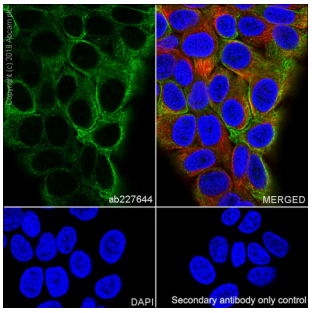
Formalin-fixed, paraffin-embedded human bladder tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (ab227644)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - BSA and Azide free (ab240986)

Cytokeratin 8 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Cytokeratin 8 antibody

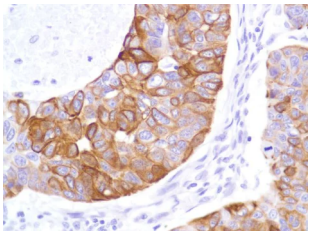
Formalin-fixed, paraffin-embedded human breast tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (ab227644)



Immunocytochemistry/ Immunofluorescence - Anti-Cytokeratin 8 antibody [SP102] - BSA and Azide free (ab240986)

Cytokeratin 8 Immunocytochemistry/ Immunofluorescence staining using rabbit Anti-Cytokeratin 8 antibody

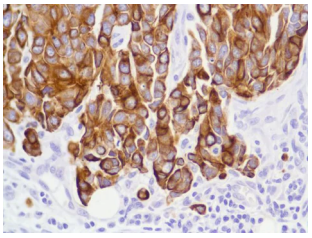
Immunocytochemistry/ Immunofluorescence analysis of HaCaT (human skin keratinocyte) cells labeling Cytokeratin 8 with purified ab227644 at 1:25 (5.48 µg/ml). Cells were fixed in 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Cells were counterstained with ab195889 Anti-alpha Tubulin antibody [DM1A] - Microtubule Marker (Alexa Fluor® 594) 1:200 (2.5 µg/ml). Goat anti rabbit IgG (Alexa Fluor® 488, ab150077) was used as the secondary antibody at 1:1000 (2 µg/ml) dilution. DAPI nuclear counterstain. PBS instead of the primary antibody was used as the secondary antibody only control.This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab240986)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - BSA and Azide free (ab240986)

Cytokeratin 8 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Cytokeratin 8 antibody

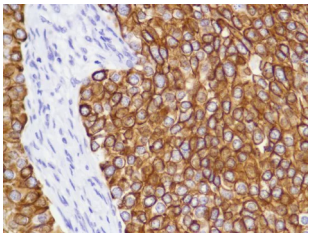
Formalin-fixed, paraffin-embedded human lung squamous cell carcinoma tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (ab227644)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - BSA and Azide free (ab240986)

Cytokeratin 8 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Cytokeratin 8 antibody

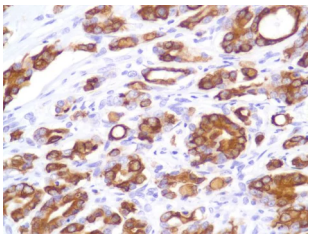
Formalin-fixed, paraffin-embedded human breast ductal carcinoma tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (ab227644)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - BSA and Azide free (ab240986)

Cytokeratin 8 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Cytokeratin 8 antibody

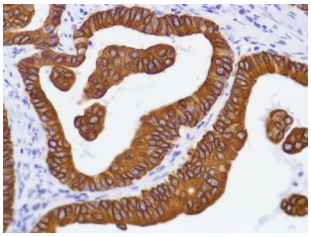
Formalin-fixed, paraffin-embedded human bladder transitional cell carcinoma tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (ab227644)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - BSA and Azide free (ab240986)

Cytokeratin 8 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Cytokeratin 8 antibody

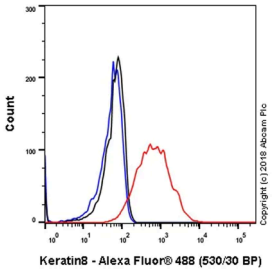
Formalin-fixed, paraffin-embedded human prostate adenocarcinoma tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (ab227644)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - BSA and Azide free (ab240986)

Cytokeratin 8 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Cytokeratin 8 antibody

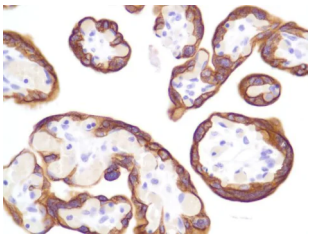
Formalin-fixed, paraffin-embedded human stomach adenocarcinoma tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (ab227644)



Flow Cytometry (Intracellular) - Anti-Cytokeratin 8 antibody [SP102] - BSA and Azide free (ab240986)

Cytokeratin 8 Flow Cytometry (Intracellular) staining using rabbit Anti-Cytokeratin 8 antibody

Flow Cytometry analysis of HaCaT (human skin keratinocyte) cells labeling Cytokeratin 8 with purified ab227644 at 1:200 dilution (0.685 µg/ml) - Red. Cells were fixed with 4% paraformaldehyde . A Goat anti rabbit IgG (Alexa Fluor® 488, ab150081) secondary antibody was used at 1:2000 dilution. Isotype control - Rabbit monoclonal IgG (ab172730) - Black. Unlabeled control - Blue.This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab240986)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - BSA and Azide free (ab240986)

Cytokeratin 8 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Cytokeratin 8 antibody

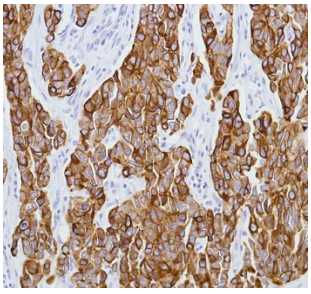
Formalin-fixed, paraffin-embedded human placenta tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (ab227644)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - BSA and Azide free (ab240986)

Cytokeratin 8 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Cytokeratin 8 antibody

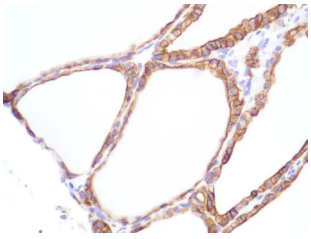
Formalin-fixed, paraffin-embedded human prostate tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (ab227644)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - BSA and Azide free (ab240986)

Cytokeratin 8 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Cytokeratin 8 antibody

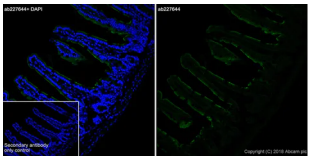
Formalin-fixed, paraffin-embedded human breast ductal carcinoma tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (ab227644)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - BSA and Azide free (ab240986)

Cytokeratin 8 Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) staining using rabbit Anti-Cytokeratin 8 antibody

Formalin-fixed, paraffin-embedded human thyroid tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.
This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA and sodium azide (ab227644)

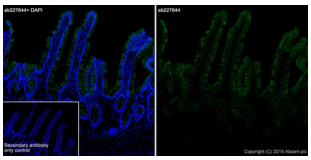


Immunohistochemistry (Frozen sections) - Anti-Cytokeratin 8 antibody [SP102] - BSA and Azide free (ab240986)

Cytokeratin 8 Immunohistochemistry (Frozen sections) staining using rabbit Anti-Cytokeratin 8 antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen mouse small intestine tissue labeling Cytokeratin with ab227644 at 1/20 (6.85 µg/ml) dilution followed by ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (2 µg/ml) (Green). The immunostaining was performed on a Leica Biosystems BOND® RX instrument. The section was incubated with ab227644 for 60 mins at room temperature. Confocal image showing positive staining on mouse small intestine tissue. The nuclear counterstain was DAPI (Blue). Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).

Secondary antibody only control: Primary diluent was used instead of primary antibody, followed by secondary antibody ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution. This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab240986).



Immunohistochemistry (Frozen sections) - Anti-Cytokeratin 8 antibody [SP102] - BSA and Azide free (ab240986)

Cytokeratin 8 Immunohistochemistry (Frozen sections) staining using rabbit Anti-Cytokeratin 8 antibody

Immunohistochemical analysis of 4% PFA-fixed, 0.2% Triton X-100 permeabilized frozen rat small intestine tissue labeling Cytokeratin with ab227644 at 1/20 (6.85 µg/ml) dilution followed by ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution (2 µg/ml) (Green). The immunostaining was performed on a Leica Biosystems BOND® RX instrument. The section was incubated with ab227644 for 60 mins at room temperature. Confocal image showing positive staining on rat small intestine tissue. The nuclear counterstain was DAPI (Blue). Image was taken with a confocal microscope (Leica-Microsystems, TCS SP8).
Secondary antibody only control: Primary diluent was used instead of primary antibody, followed by secondary antibody ab150077 Goat Anti-Rabbit IgG H&L (Alexa Fluor® 488) at 1/1000 dilution. This data was developed using the same antibody clone in a different buffer formulation containing PBS, BSA, glycerol, and sodium azide (ab240986).

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