abcam

ab227644

Anti-Cytokeratin 8 antibody [SP102] - C-terminal

Recombinant | RabMAb

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.6 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	The exact immunogen used to generate this antibody is proprietary information.
Clone number	SP102
Purification technique	Affinity purification Protein A/G
Concentration	0.01 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	1/100
Notes	Primary antibody incubation for 30 minutes at room temperature.

Perform heat-mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

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	1/20
Notes	-

Species	Rat
Dilution info	1/20
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	Conditional Ambient
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

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

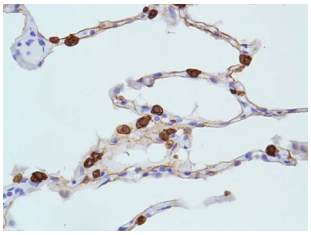
We do not recommend this combination. It is not covered by our product promise.

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.

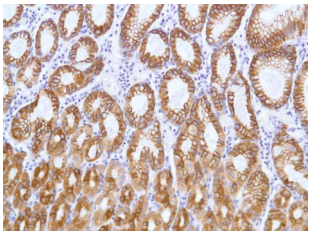
Full details and terms and conditions can be found here:
Terms & Conditions.

17 product images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - C-terminal (ab227644)

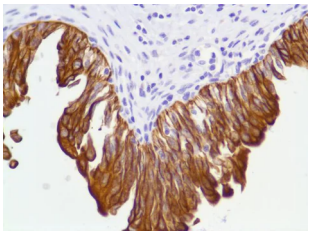
Formalin-fixed, paraffin-embedded human lung tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - C-terminal (ab227644)

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

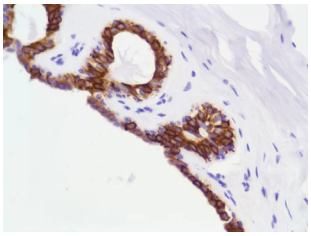
Formalin-fixed, paraffin-embedded human stomach tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - C-terminal (ab227644)

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

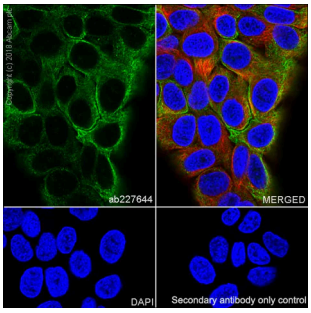
Formalin-fixed, paraffin-embedded human bladder tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - C-terminal (ab227644)

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

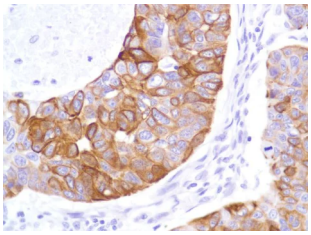
Formalin-fixed, paraffin-embedded human breast tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.



Immunocytochemistry/ Immunofluorescence - Anti-Cytokeratin 8 antibody [SP102] - C-terminal (ab227644)

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

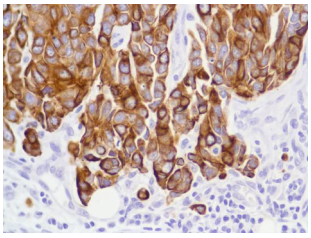
Immunocytochemistry/ Immunofluorescence analysis of HaCaT (human skin keratinocyte) cells labeling Cytokeratin 8 with purified ab227644 at 1:25 (5.48 µg/ml). Cells were fixed in 4% paraformaldehyde and permeabilized with 0.1% Triton X-100. Cells were counterstained with ab195889 Anti-alpha Tubulin antibody [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.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - C-terminal (ab227644)

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

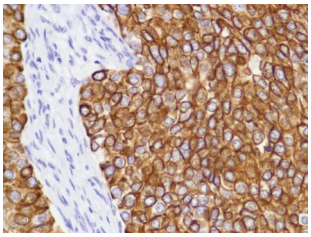
Formalin-fixed, paraffin-embedded human lung squamous cell carcinoma tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - C-terminal (ab227644)

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

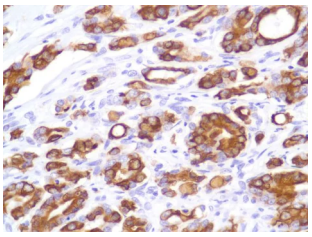
Formalin-fixed, paraffin-embedded human breast ductal carcinoma tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - C-terminal (ab227644)

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

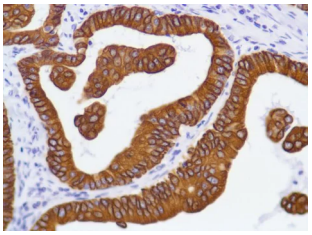
Formalin-fixed, paraffin-embedded human bladder transitional cell carcinoma tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - C-terminal (ab227644)

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

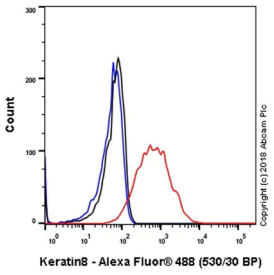
Formalin-fixed, paraffin-embedded human prostate adenocarcinoma tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - C-terminal (ab227644)

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

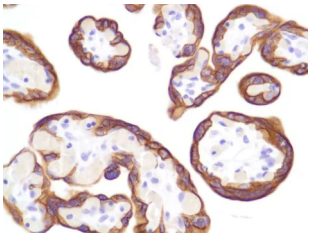
Formalin-fixed, paraffin-embedded human stomach adenocarcinoma tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.



Flow Cytometry (Intracellular) - Anti-Cytokeratin 8 antibody [SP102] - C-terminal (ab227644)

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.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - C-terminal (ab227644)

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

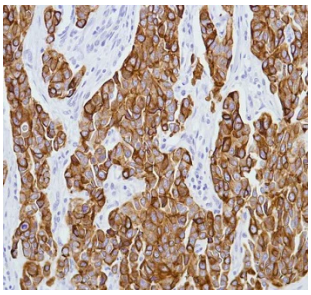
Formalin-fixed, paraffin-embedded human placenta tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - C-terminal (ab227644)

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

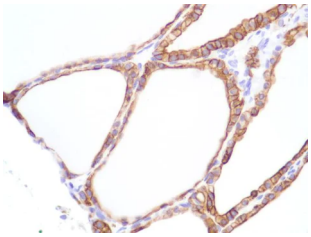
Formalin-fixed, paraffin-embedded human prostate tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - C-terminal (ab227644)

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

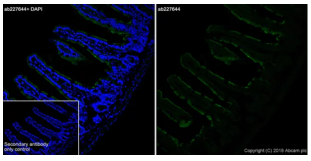
Formalin-fixed, paraffin-embedded human breast ductal carcinoma tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody [SP102] - C-terminal (ab227644)

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

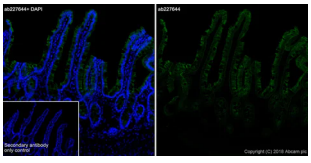
Formalin-fixed, paraffin-embedded human thyroid tissue stained for Cytokeratin 8 using ab227644 at 1/100 dilution in immunohistochemical analysis.



Immunohistochemistry (Frozen sections) - Anti-Cytokeratin 8 antibody [SP102] - C-terminal (ab227644)

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.



Immunohistochemistry (Frozen sections) - Anti-Cytokeratin 8 antibody [SP102] - C-terminal (ab227644)

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.

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