abcam

ab9377

Anti-wide spectrum Cytokeratin antibody

Anti-wide spectrum Cytokeratin antibody (ab9377) is a rabbit polyclonal antibody detecting wide spectrum Cytokeratin in **Western Blot, Flow Cytometry, IHC-P, IHC-Fr, ICC/IF**. Suitable for **Common marmoset, Cow, Monkey, Dog, Human, Mouse, Pig, Rat**.

- Over 170 publications
- Trusted since 2002

Lab Essentials

Key facts

Isotype	IgG
Host species	Rabbit
Storage buffer	pH: 7.3 - 7.5 Preservative: 0.1% Sodium azide Constituents: PBS, 1% BSA
Form	Liquid
Clonality	Polyclonal
Immunogen	Native Full Length Protein corresponding to Cow KRT5. Database link Q5XQN5
Purification technique	Affinity purification Protein A
Specificity	This antibody reacts with cytokeratins of MW 58, 56, 52, 60, 51, 48 and 68 kDa.
Light chain type	unknown
Concentration	0.2 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

ICC

Expected

Species	Mouse, Rat, Pig, Common marmoset, Cynomolgus monkey, Human, Dog, Cow
Dilution info	Use at an assay dependent concentration.
Notes	-

Flow Cyt

Expected

Species	Mouse
Dilution info	-
Notes	ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

Species	Rat
Dilution info	-
Notes	ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

Species	Pig
Dilution info	-
Notes	ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

Species	Common marmoset
Dilution info	-
Notes	ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

Species	Cynomolgus monkey
Dilution info	-
Notes	ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

Species	Human
Dilution info	-

Notes	ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

Species	Dog
Dilution info	-
Notes	ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

Species	Cow
Dilution info	-
Notes	ab171870 - Rabbit polyclonal IgG, is suitable for use as an isotype control with this antibody.

WB

Expected

Species	Mouse
Dilution info	-
Notes	Used at a dilution of 1/1000 overnight incubation (see Abreview for further information).

Species	Rat
Dilution info	-
Notes	Used at a dilution of 1/1000 overnight incubation (see Abreview for further information).

Species	Pig
Dilution info	-
Notes	Used at a dilution of 1/1000 overnight incubation (see Abreview for further information).

Species	Common marmoset
Dilution info	-
Notes	Used at a dilution of 1/1000 overnight incubation (see Abreview for further information).

Species	Cynomolgus monkey
Dilution info	-

Notes	Used at a dilution of 1/1000 overnight incubation (see Abreview for further information).

Species	Human
Dilution info	-
Notes	Used at a dilution of 1/1000 overnight incubation (see Abreview for further information).

Species	Dog
Dilution info	-
Notes	Used at a dilution of 1/1000 overnight incubation (see Abreview for further information).

Species	Cow
Dilution info	-
Notes	Used at a dilution of 1/1000 overnight incubation (see Abreview for further information).

ICC/IF

Expected

Species	Mouse, Rat, Pig, Common marmoset, Cynomolgus monkey, Human, Dog, Cow
Dilution info	Use at an assay dependent concentration.
Notes	-

IHC-Fr

Expected

Species	Mouse
Dilution info	-
Notes	This antibody may be diluted to a titer of 1/75 - 1/200 in an ABC method.

Species	Rat
Dilution info	-
Notes	This antibody may be diluted to a titer of 1/75 - 1/200 in an ABC method.

Species	Pig
Dilution info	-
Notes	This antibody may be diluted to a titer of 1/75 - 1/200 in an ABC method.

Species	Common marmoset
Dilution info	-
Notes	This antibody may be diluted to a titer of 1/75 - 1/200 in an ABC method.

Species	Cynomolgus monkey
Dilution info	-
Notes	This antibody may be diluted to a titer of 1/75 - 1/200 in an ABC method.

Species	Human
Dilution info	-
Notes	This antibody may be diluted to a titer of 1/75 - 1/200 in an ABC method.

Species	Dog
Dilution info	-
Notes	This antibody may be diluted to a titer of 1/75 - 1/200 in an ABC method.

Species	Cow
Dilution info	-
Notes	This antibody may be diluted to a titer of 1/75 - 1/200 in an ABC method.

IHC-P

Tested

Species	Human
Dilution info	-
Notes	This antibody may be diluted to a titer of 1:75-1:200 in an ABC method.

Predicted

Species	Mouse, Cow, Pig, Dog, Cynomolgus monkey, Rat, Common marmoset
Dilution info	-

Notes	-

Target data

See full target information KRT5

Function	Required for the formation of keratin intermediate filaments in the basal epidermis and maintenance of the skin barrier in response to mechanical stress (By similarity). Regulates the recruitment of Langerhans cells to the epidermis, potentially by modulation of the abundance of macrophage chemotactic cytokines, macrophage inflammatory cytokines and CTNND1 localization in keratinocytes (By similarity).

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Storage information	Avoid freeze / thaw cycle

Notes

Product Specifications
Anti-wide spectrum Cytokeratin antibody (ab9377) is a rabbit polyclonal antibody and is validated for use in Flow Cyt, ICC, ICC/IF, IHC-Fr, IHC-P, WB in common marmoset, cow, cynomolgus monkey, dog, human, mouse, pig, rat samples. Anti-wide spectrum Cytokeratin antibody (ab9377) specifically detects wide spectrum Cytokeratin (UniProt ID: ; Molecular weight: kDa) and is sold in 500 µL selling sizes.

Quality and Validation
Abcam's high quality validation processes ensure Anti-wide spectrum Cytokeratin antibody (ab9377) has high sensitivity and specificity.
Anti-wide spectrum Cytokeratin antibody (ab9377) has been cited over 174 times in peer reviewed journals and is trusted by the scientific community.
Anti-wide spectrum Cytokeratin antibody (ab9377) has 43 independent reviews from customers.

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.

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6 product images

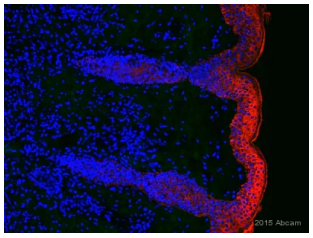
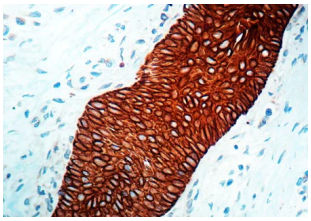


Image is courtesy of an anonymous customer review

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-wide spectrum Cytokeratin antibody (ab9377)

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

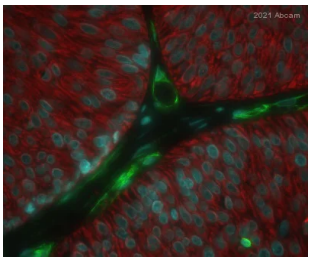
ab9377 staining wide spectrum Cytokeratin in Human skin tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Tissue was fixed with formaldehyde and blocked with BlockAid for 1 hour at 20°C; antigen retrieval was by heat mediation in a citric buffer. Samples were incubated with primary antibody (1/500 in 1% BSA + PBS) for 16 hours at 4°C. An Alexa Fluor® 555-conjugated Goat anti-rabbit IgG (H+L) polyclonal (1/1000) was used as the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-wide spectrum Cytokeratin antibody (ab9377)

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

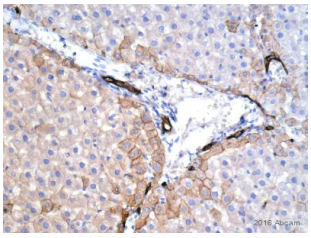
ab9377 staining wide spectrum Cytokeratin in formalin-fixed, paraffin-embedded Human skin tissue by Immunohistochemistry.



This image is courtesy of a customer review submitted by Cameron Johnstone.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-wide spectrum Cytokeratin antibody (ab9377)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of 10% formalin-fixed Human transitional cell carcinoma of the kidney. Stained with ab9377 at 1/100 dilution. Secondary antibody used was goat anti-rabbit Alexa-568® at 1/500 dilution. Blocking was done with 5% serum for 1 hour at 25°C. The sample was incubated with the primary antibody for 1 hour at 25°C with 5% normal goat serum. Antigen retrieval method was heat mediated with EDTA pH 8.

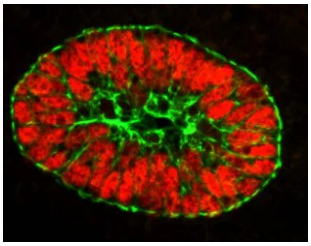


This image is courtesy of a customer review by Carl Hobbs.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-wide spectrum Cytokeratin antibody (ab9377)

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

ab9377 staining wide spectrum Cytokeratin in rat liver tissue sections by Immunohistochemistry (PFA perfusion fixed frozen sections). Tissue samples were fixed by perfusion with formaldehyde and blocked with 2% BSA for 10 minutes at 21°C and antigen retrieval was by heat mediation in citrate buffer. The sample was incubated with primary antibody (1/500 in TBS/BSA/azide) at 21°C for 2 hours. A biotin-conjugated goat anti-rabbit polyclonal (1/300) was used as the secondary antibody.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-wide spectrum Cytokeratin antibody (ab9377)

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

ab9377 positively staining Cytokeratin (green) in paraffin fixed mouse oesophagus at 1/250.



This image is courtesy of a customer review by Carl

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-wide spectrum Cytokeratin antibody (ab9377)

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

ab9377 staining wide spectrum Cytokeratin in common marmoset lung tissue sections by Immunohistochemistry (PFA perfusion fixed frozen sections). Tissue samples were fixed by

Hobbs.	perfusion with formaldehyde and blocked with 2% BSA for 10 minutes at 21°C and antigen retrieval was by heat mediation in citrate buffer. The sample was incubated with primary antibody (1/500 in TBS/BSA/azide) at 21°C for 2 hours. A biotin-conjugated goat anti-rabbit polyclonal (1/300) was used as the secondary antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.