

Product datasheet

Anti-Cytokeratin 8 antibody ab154301

★★★★★ [1 Abreviews](#) [3 References](#) [5 Images](#)

Overview

Product name	Anti-Cytokeratin 8 antibody
Description	Rabbit polyclonal to Cytokeratin 8
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Mouse, Human
Immunogen	A recombinant fragment corresponding to a region within amino acids 227- 483 of Human Cytokeratin 8 (Uniprot ID#P05787).
Positive control	HeLa, HepG2 and JC whole cell lysates. Human gastric carcinoma tissue. HeLa cells.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.025% Proclin 300 Constituents: 79% PBS, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab154301 in the following tested applications.

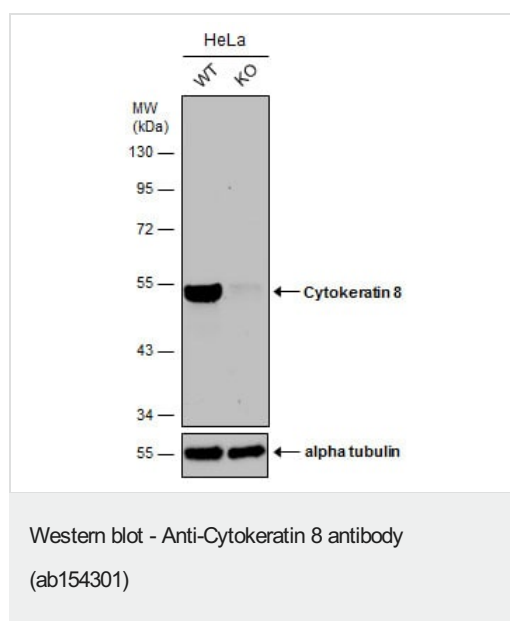
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB	★★★★★ (1)	1/5000 - 1/20000. Predicted molecular weight: 53 kDa.
IHC-P		1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		1/100 - 1/1000.

Target

Function	Together with KRT19, helps to link the contractile apparatus to dystrophin at the costameres of striated muscle.
Tissue specificity	Observed in muscle fibers accumulating in the costameres of myoplasm at the sarcolemma membrane in structures that contain dystrophin and spectrin. Expressed in gingival mucosa and hard palate of the oral cavity.
Involvement in disease	Cirrhosis
Sequence similarities	Belongs to the intermediate filament family.
Post-translational modifications	Phosphorylation on serine residues is enhanced during EGF stimulation and mitosis. Ser-74 phosphorylation plays an important role in keratin filament reorganization. O-glycosylated. O-GlcNAcylation at multiple sites increases solubility, and decreases stability by inducing proteasomal degradation. O-glycosylated (O-GlcNAcyated), in a cell cycle-dependent manner.
Cellular localization	Cytoplasm. Nucleus, nucleoplasm. Nucleus matrix.

Images



All lanes : Anti-Cytokeratin 8 antibody (ab154301) at 1/20000 dilution

Lane 1 : WT HeLa cell extract

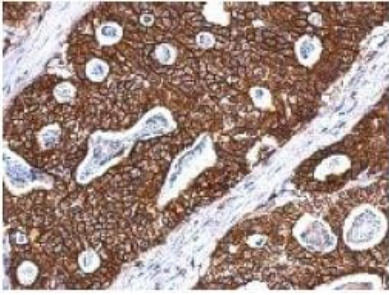
Lane 2 : Cytokeratin 8 Knockout HeLa cell extracts

Lysates/proteins at 30 µg per lane.

Secondary

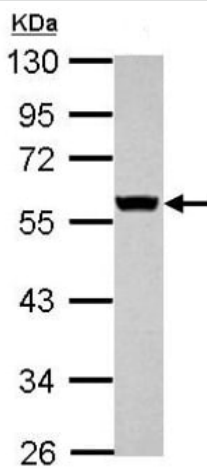
All lanes : HRP-conjugated anti-rabbit IgG

Predicted band size: 53 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 8 antibody (ab154301)

Immunohistochemical analysis of paraffin-embedded Human gastric carcinoma labeling Cytokeratin 8 using ab154301 at 1/500 dilution.

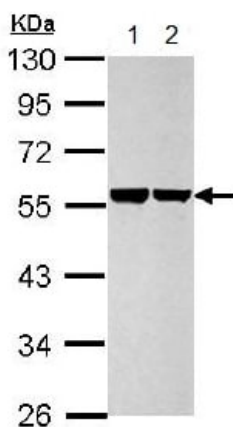


Western blot - Anti-Cytokeratin 8 antibody (ab154301)

Anti-Cytokeratin 8 antibody (ab154301) at 1/10000 dilution + JC cell lysate at 30 µg

Predicted band size: 53 kDa

10% SDS PAGE



Western blot - Anti-Cytokeratin 8 antibody (ab154301)

All lanes : Anti-Cytokeratin 8 antibody (ab154301) at 1/10000 dilution

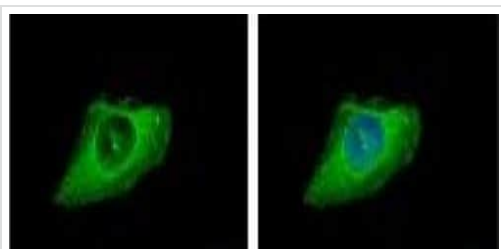
Lane 1 : HeLa cell lysate

Lane 2 : HepG2 cell lysate

Lysates/proteins at 30 µg per lane.

Predicted band size: 53 kDa

10% SDS PAGE



Immunofluorescence analysis of methanol-fixed HeLa cells, labeling Cytokeratin 8 using ab154301 at 1/500 dilution. Right panel costained with Hoechst 33342.

Immunocytochemistry/ Immunofluorescence - Anti-Cytokeratin 8 antibody (ab154301)

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