

Product datasheet

Anti-Cytokeratin 13 antibody [EPR3671] (HRP) ab199092

Recombinant **RabMAb**

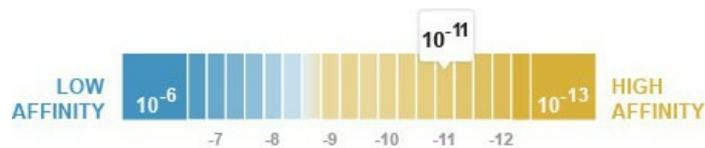
[2 Images](#)

Overview

Product name	Anti-Cytokeratin 13 antibody [EPR3671] (HRP)
Description	Rabbit monoclonal [EPR3671] to Cytokeratin 13 (HRP)
Host species	Rabbit
Conjugation	HRP
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse
Immunogen	Synthetic peptide within Human Cytokeratin 13 aa 100-200. The exact sequence is proprietary. (Peptide available as ab180923)
Positive control	WB: A431 whole cell lysate. IHC-P: FFPE human tonsil (normal) tissue sections.
General notes	Our RabMAb [®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMab[®] patents .

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C. Stable for 12 months at -20°C. Store In the Dark.
Dissociation constant (K_D)	K _D = 1.20 x 10 ⁻¹¹ M



[Learn more about K_D](#)

Storage buffer	pH: 7.40 Preservative: 0.1% Proclin Constituents: PBS, 1% BSA, 30% Glycerol
Purity	Protein A purified
Clonality	Monoclonal

Clone number	EPR3671
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab199092** in the following tested applications.

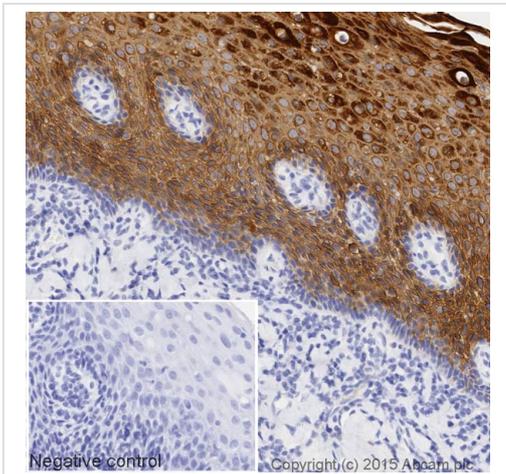
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/5000. Detects a band of approximately 50 kDa (predicted molecular weight: 50 kDa). Can be blocked with Cytokeratin 13 peptide (ab180923) .
IHC-P		1/100. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

Tissue specificity	Expressed in some epidermal sweat gland ducts (at protein level) and in exocervix, esophagus and placenta.
Involvement in disease	Defects in KRT13 are a cause of white sponge nevus of cannon (WSN) [MIM:193900]. WSN is a rare autosomal dominant disorder which predominantly affects non-cornified stratified squamous epithelia. Clinically, it is characterized by the presence of soft, white, and spongy plaques in the oral mucosa. The characteristic histopathologic features are epithelial thickening, parakeratosis, and vacuolization of the suprabasal layer of oral epithelial keratinocytes. Less frequently the mucous membranes of the nose, esophagus, genitalia and rectum are involved.
Sequence similarities	Belongs to the intermediate filament family.
Post-translational modifications	O-glycosylated; glycans consist of single N-acetylglucosamine residues.

Images

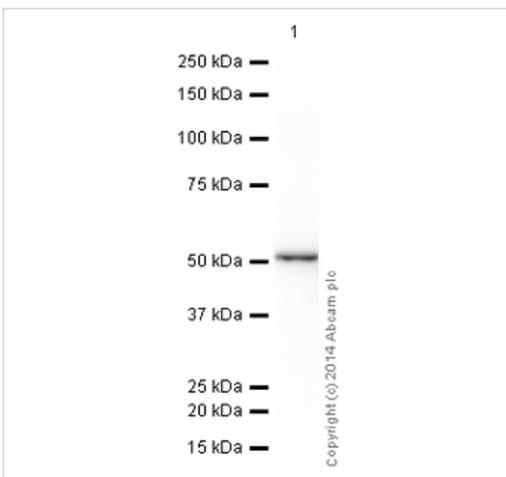


Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 13 antibody [EPR3671] (HRP) (ab199092)

IHC image of Cytokeratin 13 staining in a section of formalin-fixed paraffin-embedded normal human tonsil tissue*, performed on a Leica BOND™. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20mins. The section was then incubated with ab199092, 1/100 dilution, for 15 mins at room temperature. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. The inset negative control image is taken from an identical assay without primary antibody.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

*Tissue obtained from the Human Research Tissue Bank, supported by the NIHR Cambridge Biomedical Research Centre



Western blot - Anti-Cytokeratin 13 antibody [EPR3671] (HRP) (ab199092)

Anti-Cytokeratin 13 antibody [EPR3671] (HRP) (ab199092) at 1/5000 dilution + A431 (Human epithelial carcinoma cell line) Whole Cell Lysate at 10 µg

Developed using the ECL technique.

Performed under reducing conditions.

Predicted band size: 50 kDa

Observed band size: 50 kDa

Exposure time: 10 seconds

This blot was produced using a 4-12% Bis-tris gel under the MOPS buffer system. The gel was run at 200V for 50 minutes before being transferred onto a Nitrocellulose membrane at 30V for 70 minutes. The membrane was then blocked for an hour using 2% Bovine Serum Albumin before being incubated with ab199092 overnight at 4°C. Antibody binding was visualised using ECL development solution [ab133406](#).

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