

Product datasheet

Anti-Cytokeratin 7 antibody [K72.7] ab233904

[2 Images](#)

Overview

Product name	Anti-Cytokeratin 7 antibody [K72.7]
Description	Mouse monoclonal [K72.7] to Cytokeratin 7
Host species	Mouse
Tested applications	Suitable for: IHC-P
Species reactivity	Reacts with: Human
Immunogen	Tissue, cells or virus corresponding to Human Cytokeratin 7. (Semi-purified cytokeratin preparation).
Positive control	IHC-P: Human lung SCC and ovarian carcinoma tissues.
General notes	<p>Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.</p> <p>Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.</p> <p>We are also planning to innovate the way in which we present recommended applications and species on our product datasheets, so that only applications & species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™ guarantee.</p> <p>In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.</p> <p>We are also updating the applications & species that this product has been “predicted to work with,” however this information is not covered by our Abpromise guarantee.</p> <p>Applications & species from publications and Abreviews that have not been tested in our own labs or in those of our suppliers are not covered by the Abpromise guarantee.</p> <p>Please check that this product meets your needs before purchasing. 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, as well as customer reviews and Q&As.</p>

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 long

term. Avoid freeze / thaw cycle.

Storage buffer

Preservative: 0.05% Sodium azide

Constituents: PBS, 0.05% BSA

Purity

Protein A/G purified

Purification notes

Purified from Bioreactor Concentrate by Protein A/G.

Clonality

Monoclonal

Clone number

K72.7

Isotype

IgG1

Light chain type

kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab233904** 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
IHC-P		Use a concentration of 0.5 - 1 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol. (Primary incubation for 30 minutes at RT).

Target

Function

Blocks interferon-dependent interphase and stimulates DNA synthesis in cells. Involved in the translational regulation of the human papillomavirus type 16 E7 mRNA (HPV16 E7).

Tissue specificity

Expressed in cultured epidermal, bronchial and mesothelial cells but absent in colon, ectocervix and liver. Observed throughout the glandular cells in the junction between stomach and esophagus but is absent in the esophagus.

Sequence similarities

Belongs to the intermediate filament family.

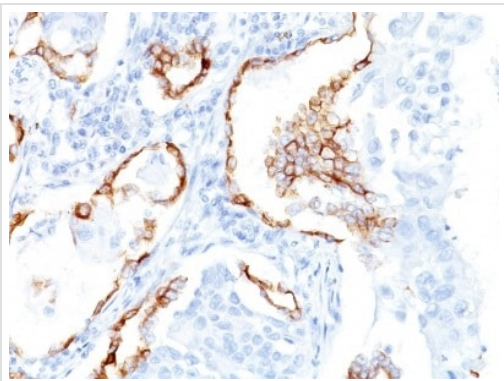
Post-translational modifications

Arg-20 is dimethylated, probably to asymmetric dimethylarginine.

Cellular localization

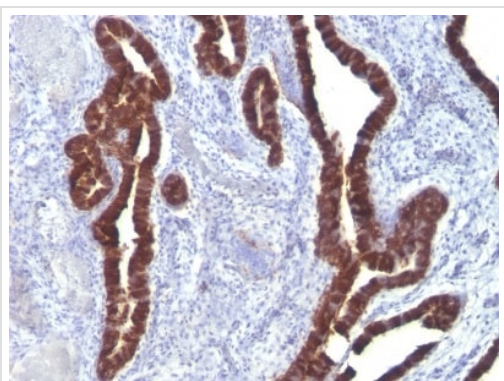
Cytoplasm.

Images



Formalin-fixed, paraffin-embedded human lung SCC tissue stained for Cytokeratin 7 using ab233904 at 1 µg/ml in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 7 antibody [K72.7] (ab233904)



Formalin-fixed, paraffin-embedded human ovarian carcinoma tissue stained for Cytokeratin 7 using ab233904 at 1 µg/ml in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 7 antibody [K72.7] (ab233904)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish

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Terms and conditions

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