Product datasheet

Anti-Cytokeratin 7 antibody ab154334

Overview

Product name: Anti-Cytokeratin 7 antibody
Description: Rabbit polyclonal to Cytokeratin 7
Host species: Rabbit
Tested applications: Suitable for: WB, IHC-P, IHC-Fr, ICC/IF
Species reactivity: Reacts with: Human
Predicted to work with: Mouse, Rat, Cow, Monkey
Immunogen: Recombinant fragment, corresponding to a region within amino acids 44-319 of Human Cytokeratin 7 (Uniprot ID: P08729).
Positive control: A431, HeLa and MOLT4 whole cell lysates; HeLa cells; Human placenta tissue and A549 xenograft tissue.

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: 0.01% Thimerosal (merthiolate)
Constituents: 1.21% Tris, 0.75% Glycine, 20% Glycerol
Purity: Immunogen affinity purified
Clonality: Polyclonal
Isotype: IgG

Applications

Our Abpromise guarantee covers the use of ab154334 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

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<tr>
<th>Application</th>
<th>Abreviews</th>
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<tr>
<td>IHC-P</td>
<td>1/100 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.</td>
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<td>IHC-Fr</td>
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<td>ICC/IF</td>
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**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**

Immunohistochemical analysis of paraffin-embedded Human A549 xenograft tissue, labeling Cytokeratin 7 with ab154334 at 1/500 dilution.
Western blot - Anti-Cytokeratin 7 antibody (ab154334)

Anti-Cytokeratin 7 antibody (ab154334) at 1/10000 dilution + A431 whole cell lysate at 30 µg

Predicted band size: 51 kDa

10% SDS PAGE

Immunofluorescence analysis of paraformaldehyde-fixed HeLa cells, labeling Cytokeratin 7 with ab154334 at 1/200 dilution. Lower image is merged with DNA probe.
Immunohistochemical analysis of Human placenta tissue (paraformaldehyde-fixed frozen sections), labeling Cytokeratin 7 with ab154334 at 1/200 dilution.

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