Product datasheet

Anti-Cytokeratin 6 antibody [EPR1603Y] ab52620

Overview

**Product name**  
Anti-Cytokeratin 6 antibody [EPR1603Y]

**Description**  
Rabbit monoclonal [EPR1603Y] to Cytokeratin 6

**Host species**  
Rabbit

**Tested applications**  
**Suitable for:** WB, IHC-P, ICC/IF  
**Unsuitable for:** Flow Cyt or IP

**Species reactivity**  
Reacts with: Human

**Immunogen**  
Database link: P48668

**Positive control**  
A431 cell lysate, human squamous cervical carcinoma, A431 cells. IHC-P: human normal skin tissue.

**General notes**  
This product is a recombinant monoclonal antibody, which offers several advantages including:  
- High batch-to-batch consistency and reproducibility  
- Improved sensitivity and specificity  
- Long-term security of supply  
- Animal-free production  
For more information see here.

Our RabMAb® technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb® patents.

We are constantly working hard to ensure we provide our customers with best in class antibodies. As a result of this work we are pleased to now offer this antibody in purified format. We are in the process of updating our datasheets. The purified format is designated 'PUR' on our product labels. If you have any questions regarding this update, please contact our Scientific Support team.

Mouse, Rat: We have preliminary internal testing data to indicate this antibody may not react with these species. Please contact us for more information.

Properties

**Form**  
Liquid
Storage instructions
Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

Storage buffer
pH: 7.20
Preservative: 0.05% Sodium azide
 Constituents: 0.1% BSA, 40% Glycerol (glycerin, glycerine), 9.85% Tris glycine, 50% Tissue culture supernatant

Purity
Protein A purified

Clonality
Monoclonal

Clone number
EPR1603Y

Isotype
IgG

Applications

The Abpromise guarantee
Our Abpromise guarantee covers the use of ab52620 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

<table>
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<tr>
<th>Application</th>
<th>Abreviews</th>
<th>Notes</th>
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<tbody>
<tr>
<td>WB</td>
<td>1/100000. Predicted molecular weight: 60 kDa.</td>
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<tr>
<td>IHC-P</td>
<td>Use at an assay dependent concentration. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.</td>
<td></td>
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<tr>
<td>ICC/IF</td>
<td>1/100 - 1/250.</td>
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</table>

Application notes
Is unsuitable for Flow Cyt or IP.

Target

Tissue specificity
Constitutively expressed in distinct types of epithelia such as those in oral mucosa, esophagus, papillae of tongue and hair follicle outer root sheath.

Sequence similarities
Belongs to the intermediate filament family.

Images
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 6 antibody [EPR1603Y] (ab52620)

IHC image of Cytokeratin 6 staining in a section of formalin-fixed paraffin-embedded normal human skin* performed on a Leica Biosystems BOND® RX instrument. 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 ab52620, 1ug/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX. The inset secondary-only 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 6 antibody [EPR1603Y] (ab52620)

All lanes : Anti-Cytokeratin 6 antibody [EPR1603Y] (ab52620) at 1/1000 dilution

Lane 1 : N-GST tagged full-length recombinant human Cytokeratin 6A protein, 10 ng
Lane 2 : N-GST tagged full-length recombinant human Cytokeratin 5 protein, 10 ng

Secondary

All lanes : Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/20000 dilution

Predicted band size: 60 kDa
Observed band size: 87 kDa
**Exposure time:** 180 seconds

**Blocking buffer:** 5% NFDM/TBST.

Ab52620 at 1/100-1/250 dilution staining human squamous cervical carcinoma; paraffin embedded.

Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Cytokeratin 6 antibody [EPR1603Y] (ab52620)

Immunocytochemistry/Immunofluorescence analysis of HaCaT (Human keratinocyte cell line) labelling Cytokeratin 6 with purified ab52620 at 1/1000. Cells were fixed with 4% PFA and permeabilized with 0.1% triton X-100. **ab150077** Goat anti rabbit IgG (Alexa Fluor® 488) at 1/1000 was used as the secondary antibody. Nuclei were counterstained with DAPI. PBS was used instead of the primary antibody as the negative control.

**Western blot** - Anti-Cytokeratin 6 antibody [EPR1603Y] (ab52620) at 1/100000 dilution + A431 cell lysate at 10 µg

**Secondary**

Goat anti-rabbit HRP antibody at 1/2000 dilution

**Predicted band size:** 60 kDa

**Observed band size:** 60 kDa
Ab52620 at 1/100-1/250 dilution staining A431 cells.

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

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