


Product datasheet

Anti-Hsp20 antibody [EPR14457] - N-terminal ab188864

Recombinant RabMAb

5 Images

Overview

Product name	Anti-Hsp20 antibody [EPR14457] - N-terminal
Description	Rabbit monoclonal [EPR14457] to Hsp20 - N-terminal
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P, ICC/IF
Species reactivity	Reacts with: Rat, Human Predicted to work with: Mouse 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Human skeletal muscle and rat heart lysates; Human transitional cell carcinoma of bladder tissue; HeLa cells.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> - High batch-to-batch consistency and reproducibility - Improved sensitivity and specificity - Long-term security of supply - Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR14457

Isotype

IgG

Applications

The Abpromise guarantee

Our [Abpromise guarantee](#) covers the use of ab188864 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		1/1000 - 1/10000. Detects a band of approximately 17 kDa (predicted molecular weight: 17 kDa).
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
ICC/IF		1/500.

Target

Sequence similarities

Belongs to the small heat shock protein (HSP20) family.

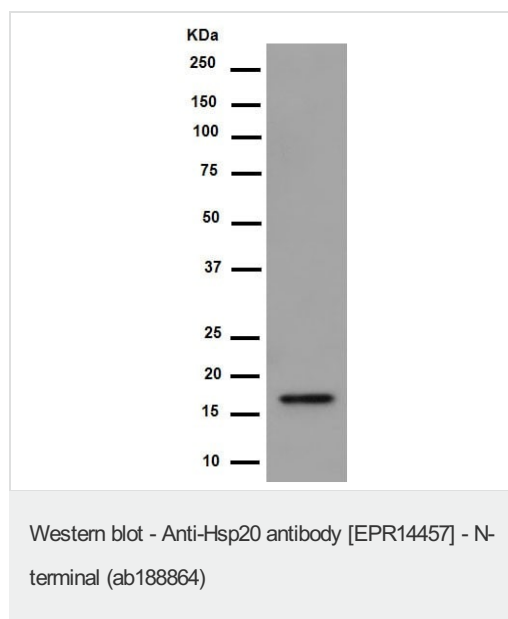
Post-translational modifications

The N-terminus is blocked.

Cellular localization

Cytoplasm. Nucleus. Translocates to nuclear foci during heat shock.

Images



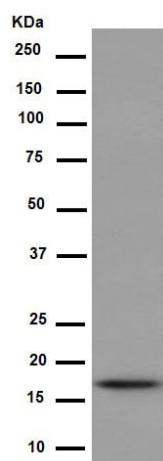
Anti-Hsp20 antibody [EPR14457] - N-terminal (ab188864) at 1/10000 dilution + Human skeletal muscle lysate at 20 μ g

Secondary

Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at 1/500 dilution

Predicted band size: 17 kDa

Observed band size: 17 kDa



Western blot - Anti-Hsp20 antibody [EPR14457] - N-terminal (ab188864)

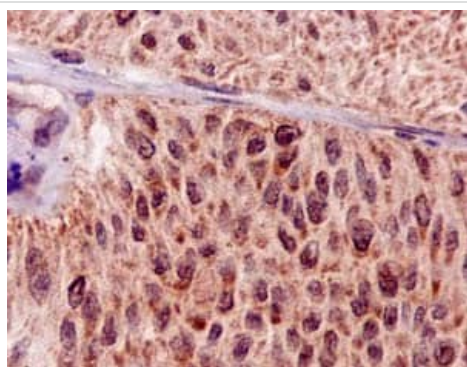
Anti-Hsp20 antibody [EPR14457] - N-terminal (ab188864) at 1/1000 dilution + Rat heart lysate at 10 μ g

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugate at 1/500 dilution

Predicted band size: 17 kDa

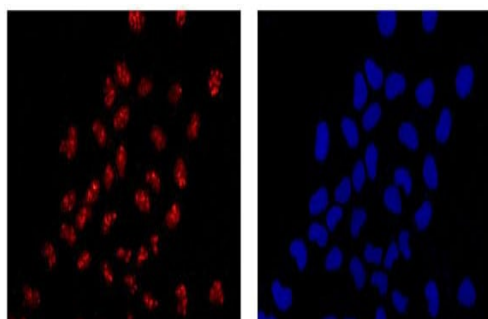
Observed band size: 17 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Hsp20 antibody [EPR14457] - N-terminal (ab188864)

Immunohistochemical analysis of paraffin-embedded Human transitional cell carcinoma of bladder tissue labeling Hsp20 with ab188864 at 1/100 dilution followed by prediluted HRP Polymer for Rabbit IgG. Counter stained with Hematoxylin.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunocytochemistry/ Immunofluorescence - Anti-Hsp20 antibody [EPR14457] - N-terminal (ab188864)

Immunofluorescent analysis of 4% paraformaldehyde-fixed HeLa cells labeling Hsp20 with ab188864 at 1/500 dilution followed by Goat anti rabbit IgG (Alexa Fluor® 555) secondary antibody at 1/200 dilution. Counter stained with Dapi (blue).

Why choose a recombinant antibody?



Research with confidence
Consistent and reproducible results



Long-term and scalable supply
Recombinant technology



Success from the first experiment
Confirmed specificity



Ethical standards compliant
Animal-free production

Anti-Hsp20 antibody [EPR14457] - N-terminal
(ab188864)

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

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