


Product datasheet

Anti-CRTAP/CASP antibody [EPR15122(B)] ab183720

Recombinant RabMAb

6 Images

Overview

Product name	Anti-CRTAP/CASP antibody [EPR15122(B)]
Description	Rabbit monoclonal [EPR15122(B)] to CRTAP/CASP
Host species	Rabbit
Tested applications	Suitable for: WB, IP, IHC-P
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat 
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	Saos-2, SW1353, A431 and HeLa whole cell lysate (ab150035); Human trachea and lung adenocarcinoma tissue.
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: 40% Glycerol (glycerin, glycerine), 59% PBS, 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR15122(B)

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab183720 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 47 kDa (predicted molecular weight: 47 kDa).
IP		1/50 - 1/70.
IHC-P		1/250 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

Target

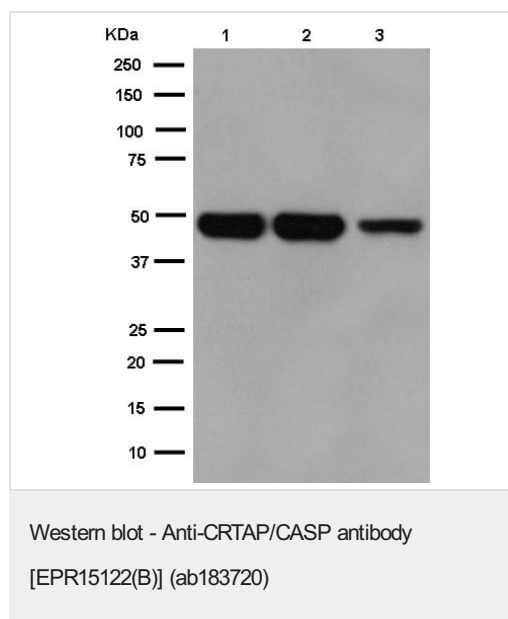
Relevance

CRTAP/CASP is found in articular chondrocytes and is expressed in a variety of other tissues. Defects in CRTAP/CASP are the cause of osteogenesis imperfecta type 7 (OI-7). OI is a connective tissue disorder characterized by bone fragility and low bone mass. OI-7 is an autosomal recessive form of OI.

Cellular localization

Secreted

Images



All lanes : Anti-CRTAP/CASP antibody [EPR15122(B)]
(ab183720) at 1/20000 dilution

Lane 1 : Saos-2 whole cell lysate

Lane 2 : SW1353 whole cell lysate

Lane 3 : HeLa whole cell lysate

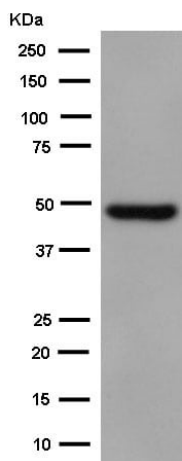
Lysates/proteins at 20 µg per lane.

Secondary

All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at
1/1000 dilution

Predicted band size: 47 kDa

Blocking/ Dilution buffer: 5% NFDM /TBST.



Western blot - Anti-CRTAP/CASP antibody
[EPR15122(B)] (ab183720)

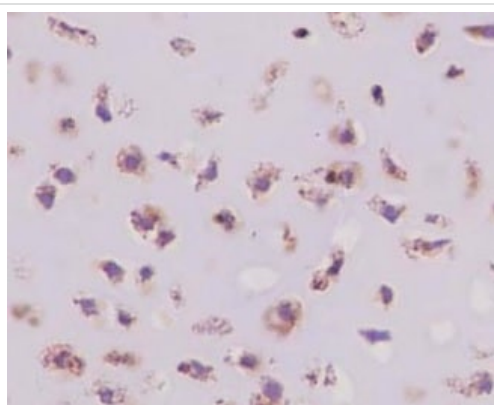
Anti-CRTAP/CASP antibody [EPR15122(B)] (ab183720) at 1/5000 dilution + A431 whole cell lysate at 20 µg

Secondary

Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 47 kDa

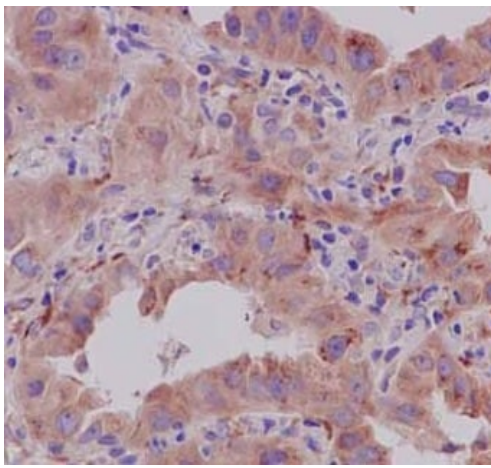
Blocking/ Dilution buffer: 5% NFDM /TBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CRTAP/CASP antibody
[EPR15122(B)] (ab183720)

Immunohistochemical analysis of paraffin embedded Human trachea tissue sections labeling CRTAP/CASP using ab183720 at a 1/500 dilution. A ready to use HRP Polymer for Rabbit IgG was used as the secondary. Hematoxylin counterstain.

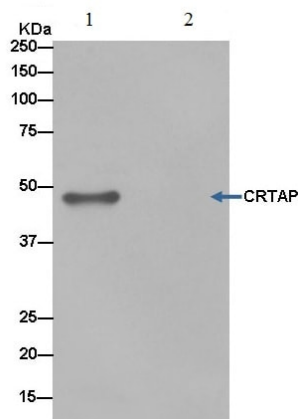
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-CRTAP/CASP antibody [EPR15122(B)] (ab183720)

Immunohistochemical analysis of paraffin embedded Human lung adenocarcinoma tissue sections labeling CRTAP/CASP using ab183720 at a 1/500 dilution. A ready to use HRP Polymer for Rabbit IgG was used as the secondary. Hematoxylin counterstain.

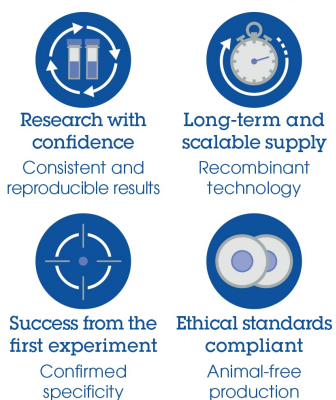
Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.



Immunoprecipitation - Anti-CRTAP/CASP antibody [EPR15122(B)] (ab183720)

Lysate from SW1353 cells was immunoprecipitated with ab183720 at a 1/50 dilution. For the subsequent blot, ab183720 was used at a 1/1000 dilution with Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG at a 1/1500 dilution for the secondary. Lane 2: TBS instead of SW1353 lysates. Blocking/ Dilution buffer: 5% NFDM/TBST.

Why choose a recombinant antibody?



Anti-CRTAP/CASP antibody [EPR15122(B)] (ab183720)

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