




Product datasheet

Anti-SerpinB6/CAP antibody ab229931

2 Images

Overview

Product name	Anti-SerpinB6/CAP antibody
Description	Rabbit polyclonal to SerpinB6/CAP
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	<p>Reacts with: Human</p> <p>Predicted to work with: Cynomolgus monkey, Orangutan </p>
Immunogen	<p>Recombinant fragment corresponding to Human SerpinB6/CAP aa 180-300. Sequence:</p> <p>ENTEERLFKVSKNEEKPVQMMFKQSTFKKTYIGEIFTQLV LPYVGKELN MIIMLPDETTDLRTVEKELTYEKFVEWTRLDMMDEEEVEV SLPRFKLEES YDMESVLRNLGMTDAFELGKA</p> <p>Database link: P35237</p> <p style="text-align: right;"> Run BLAST with  Run BLAST with</p>
Positive control	WB: HepG2 whole cell lysate; Human placenta tissue lysate. IHC-P: Human pancreatic cancer tissue.
General notes	<p>Product previously known as Anti-SerpinB6 antibody.</p> <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>

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.

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: 7.30 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

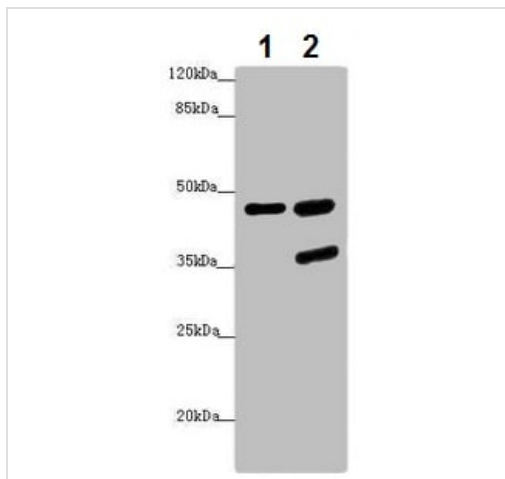
Our [Abpromise guarantee](#) covers the use of **ab229931** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/1000 - 1/5000. Predicted molecular weight: 43 kDa.
IHC-P		1/20 - 1/200.

Target

Function	May be involved in the regulation of serine proteinases present in the brain or extravasated from the blood (By similarity). Inhibitor of cathepsin G, kallikrein-8 and thrombin. May play an important role in the inner ear in the protection against leakage of lysosomal content during stress and loss of this protection results in cell death and sensorineural hearing loss.
Tissue specificity	Expressed in keratinocytes (at protein level). Highest levels in skeletal muscle. Also found in placenta, cardiac muscle, lung, liver, kidney and pancreas. Expressed in the inner ear hair cells. Expressed abundantly by normal mast cells in different tissues and by mast cells in mastocytoma lesions.
Involvement in disease	Defects in SERPINB6 are the cause of deafness autosomal recessive type 91 (DFNB91) [MIM:613453]. It is a form of non-syndromic deafness characterized by progressive and age-dependent sensorineural hearing loss. Vestibular function is normal.
Sequence similarities	Belongs to the serpin family. Ov-serpin subfamily.
Cellular localization	Cytoplasm.



Western blot - Anti-SerpinB6/CAP antibody (ab229931)

All lanes : Anti-SerpinB6/CAP antibody (ab229931) at 1/1000 dilution

Lane 1 : Human placenta tissue lysate

Lane 2 : HepG2 (human liver hepatocellular carcinoma cell line) whole cell lysate

Secondary

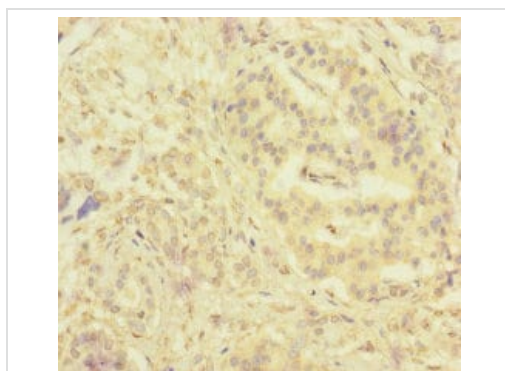
All lanes : Goat polyclonal to rabbit IgG at 1/10000 dilution

Developed using the ECL technique.

Predicted band size: 43 kDa

Observed band size: 36,43 kDa

[why is the actual band size different from the predicted?](#)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-SerpinB6/CAP antibody (ab229931)

Paraffin-embedded human pancreatic cancer tissue stained for SerpinB6/CAP using ab229931 at 1/100 dilution in immunohistochemical analysis.

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

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