




Product datasheet

Anti-RNF146 antibody ab201212

3 References 2 Images

Overview

Product name	Anti-RNF146 antibody
Description	Rabbit polyclonal to RNF146
Host species	Rabbit
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Human Predicted to work with: Mouse, Rat, Cow, Xenopus laevis, Cynomolgus monkey, Orangutan, Xenopus tropicalis 
Immunogen	Recombinant fragment corresponding to Human RNF146 aa 21-188. BC008235. Sequence: NESCSNTAPS LTVPECAICL QTCVHPVSLP CKHVFCYLCV KGASWLGKRC ALCRQEIPED FLDKPTLLSP EELKAASRGN GEYAWYYEGR NGWWQYDERT SRELEDAFSK GKKNTEMLIA GFLYVADLEN MVQYRRNEHG RRRKIKRDII DIPKKGVAGL RLDCDANT Database link: Q9NTX7  Run BLAST with  Run BLAST with
Positive control	HeLa whole cell lysate (ab150035); Human thyroid tissue.
General notes	<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</p>

labs or in those of our suppliers are not covered by the Abpromise guarantee.

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	Lyophilized:Reconstitute in 200 µL sterile H2O.
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: 7.20 Preservative: 0.02% Sodium azide Constituents: 1% BSA, 98% PBS
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab201212** 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
IHC-P		1/100 - 1/500.
WB		1/200 - 1/1000. Predicted molecular weight: 39 kDa.

Target

Function	E3 ubiquitin-protein ligase that specifically binds poly-ADP-ribosylated proteins and mediates their ubiquitination and subsequent degradation. Acts as an activator of the Wnt signaling pathway by mediating the ubiquitination of poly-ADP-ribosylated AXIN1 and AXIN2, 2 key components of the beta-catenin destruction complex. Acts in cooperation with tankyrase proteins (TNKS and TNKS2), which mediate poly-ADP-ribosylation of target proteins AXIN1, AXIN2, BLZF1, CASC3, TNKS and TNKS2. Recognizes and binds tankyrase-dependent poly-ADP-ribosylated proteins via its WWE domain and mediates their ubiquitination.
Tissue specificity	Ubiquitously expressed. Up-regulated in brains from patients with Alzheimer disease.
Pathway	Protein modification; protein ubiquitination.
Involvement in disease	Note=Defects in RNF146 are a cause of susceptibility to breast cancer.
Sequence similarities	Contains 1 RING-type zinc finger. Contains 1 WWE domain.
Domain	The WWE domain mediates non-covalent poly(ADP-ribose)-binding.

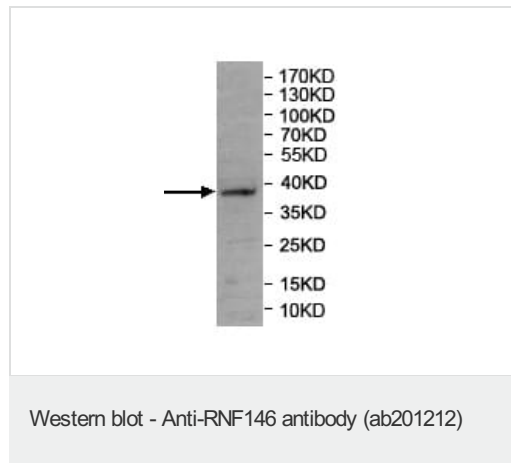
Post-translational modifications

Ubiquitinated; autoubiquitinated. Autoubiquitination is enhanced upon poly(ADP-ribose)-binding.

Cellular localization

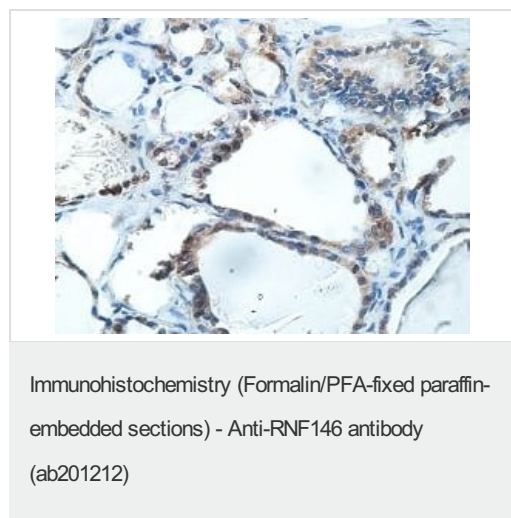
Cytoplasm > cytosol.

Images



Anti-RNF146 antibody (ab201212) at 1/1000 dilution + HeLa cell lysate

Predicted band size: 39 kDa



Immunohistochemical analysis of formalin-fixed, paraffin-embedded Human thyroid tissue labeling RNF146 with ab201212 at 1/100 dilution.

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

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