




Product datasheet

Anti-STAM2 antibody ab231280

3 Images

Overview

<b>Product name</b>	Anti-STAM2 antibody
<b>Description</b>	Rabbit polyclonal to STAM2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse <b>Predicted to work with:</b> Rat, Human 
<b>Immunogen</b>	<p>Recombinant fragment (His-T7-tag) corresponding to Mouse STAM2 aa 1-377. N-terminal tags. Expressed in E. coli.</p> <p>Sequence:</p> <pre>MPLFTANPFE QDVEKATNEY NTTEDWSLIM DICDRVGSTP SGAKDCLKAI MKRVNHKVPH VALQALTLLG ACVANCGKIF HLEVCSRDFATEVRSVIKKN AHPKVCEKLG SLMVEWSEEF QKDPQFSLIS ATIKSMKEEG VTFPSAGSQT VAAAAKNGTS LNKNKEDEDI AKAIELSLQE QKQQYTETKA LYPPAESQLN NKAARRVRALYDFEAVEDNE LTFKHGELIT VLDDSDANWW QGENHRGTGL FPSNFVTTDL STEVETATVD KLNVIDDDVE EIKKSEPEPV YIDEGKMDRA LQILQSIDPK ESKPDSQDLL DLEDVCQQMG PMIDEKLEEI DRKHSELSEL NVKVLALDL YNKLVNEAPVYSVYSKL</pre> <p>Database link: <a href="#">O88811</a></p> <p style="text-align: right;"> <a href="#">Run BLAST with</a>       <a href="#">Run BLAST with</a></p>
<b>Positive control</b>	WB: Recombinant mouse STAM2 protein; mouse liver, brain and kidney lysates. IHC-P: Mouse kidney tissue.
<b>General notes</b>	<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 &amp; species that have been tested in our own labs, our suppliers or by selected trusted collaborators are covered by our Abpromise™</p>

guarantee.

In preparation for this, we have started to update the applications & species that this product is Abpromise guaranteed for.

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.

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.

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

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	pH: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol
<b>Purity</b>	Immunogen affinity purified
<b>Purification notes</b>	Antigen-specific affinity chromatography followed by Protein A affinity chromatography.
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

## Applications

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Our [Abpromise guarantee](#) covers the use of **ab231280** 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		Use a concentration of 5 - 20 µg/ml.
WB		Use a concentration of 0.5 - 2 µg/ml. Predicted molecular weight: 57 kDa.

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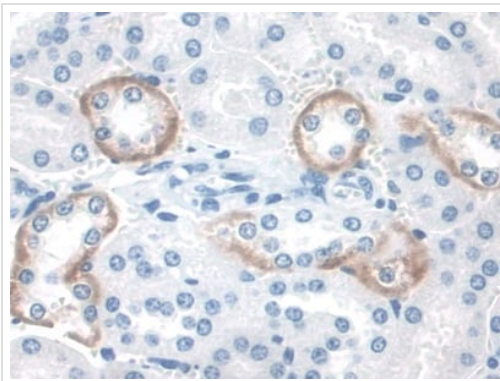
## Target

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<b>Function</b>	Involved in intracellular signal transduction mediated by cytokines and growth factors. Upon IL-2 and GM-CSL stimulation, it plays a role in signaling leading to DNA synthesis and MYC induction. May also play a role in T-cell development. Involved in down-regulation of receptor tyrosine kinase via multivesicular body (MVBs) when complexed with HGS (ESCRT-0 complex). The ESCRT-0 complex binds ubiquitin and acts as sorting machinery that recognizes ubiquitinated receptors and transfers them to further sequential lysosomal sorting/trafficking processes.
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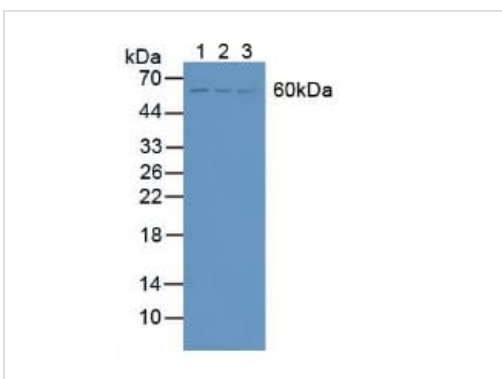
<b>Tissue specificity</b>	Ubiquitously expressed.
<b>Sequence similarities</b>	Belongs to the STAM family. Contains 1 ITAM domain. Contains 1 SH3 domain. Contains 1 UIM (ubiquitin-interacting motif) repeat. Contains 1 VHS domain.
<b>Domain</b>	The VHS and UIM domains mediate the interaction with ubiquitinated proteins. The SH3 domain mediates the interaction with USP8. Contains one Pro-Xaa-Val-Xaa-Leu (PxVxL) motif, which is required for interaction with chromoshadow domains. This motif requires additional residues -7, -6, +4 and +5 of the central Val which contact the chromoshadow domain.
<b>Post-translational modifications</b>	Phosphorylated in response to IL-2, GM-CSF, EGF and PDGF.
<b>Cellular localization</b>	Cytoplasm. Early endosome membrane.

## Images



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-STAM2 antibody (ab231280)

Formalin-fixed, paraffin-embedded mouse kidney tissue stained for STAM2 using ab231280 at 20 µg/ml in immunohistochemical analysis. DAB staining.



Western blot - Anti-STAM2 antibody (ab231280)

**All lanes :** Anti-STAM2 antibody (ab231280) at 1 µg/ml

**Lane 1 :** Mouse liver lysate

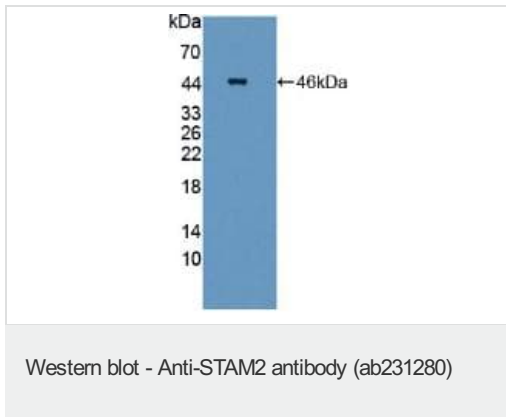
**Lane 2 :** Mouse brain lysate

**Lane 3 :** Mouse kidney lysate

**Secondary**

**All lanes :** HRP-Linked Guinea pig anti-Rabbit at 1/2000 dilution

**Predicted band size:** 57 kDa



Anti-STAM2 antibody (ab231280) at 2 µg/ml + Recombinant mouse STAM2 protein

**Predicted band size: 57 kDa**

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

### Our Abpromise to you: Quality guaranteed and expert technical support

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- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <https://www.abcam.com/abpromise> or contact our technical team.

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