

Product datasheet

Anti-GRB2 antibody ab2234

★★★★★ 1 Abreviews 1 References 5 Images

Overview

Product name	Anti-GRB2 antibody
Description	Goat polyclonal to GRB2
Host species	Goat
Tested applications	Suitable for: IHC-P, WB
Species reactivity	Reacts with: Mouse, Rat, Human, Pig Predicted to work with: Cow, Dog
Immunogen	Synthetic peptide corresponding to Human GRB2 aa 206-217 (C terminal). Sequence: C-PRNYVTPVNRNV (Peptide available as ab22873) Run BLAST with Run BLAST with
Positive control	Recombinant Human GRB2 protein (ab85917) can be used as a positive control in WB. WB: MOLT4 cell lysate, mouse, rat, human and pig spleen, mouse and rat brain, and human thymus tissue lysates. IHC-P: Human lymph node tissue.
General notes	Principal Names - GRB2; growth factor receptor-bound protein 2 Official Gene Symbol - GRB2. GenBank Accession Number – NP_002077. LocusLink ID - 2885. Gene Ontology terms - cell-cell signalling; SH3/SH2 adaptor protein; EGF receptor signalling pathway; RAS protein signal transduction; cell shape and cell size control. The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. 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, along with publications, customer reviews and Q&As

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.05% Tris, 0.5% BSA
Purity	Immunogen affinity purified
Purification notes	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our [Abpromise guarantee](#) covers the use of ab2234 in the following tested applications.

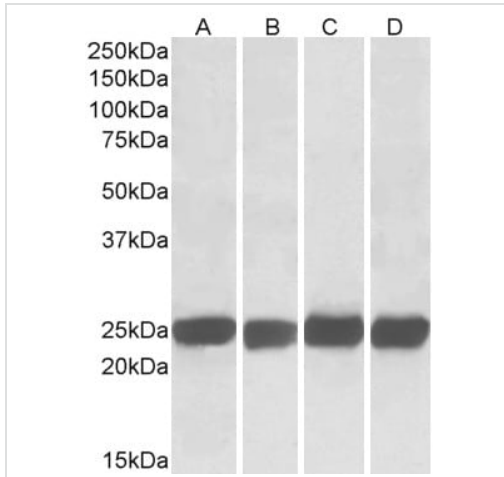
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		Use a concentration of 1 - 2 µg/ml. In paraffin embedded Human Tonsil, stains mantle zone and to a lesser extent germinal centre.
WB	★★★★★ (1)	Use a concentration of 0.05 - 0.15 µg/ml. Predicted molecular weight: 30 kDa. A 1 hour primary incubation is recommended for this product.

Target

Function	Adapter protein that provides a critical link between cell surface growth factor receptors and the Ras signaling pathway. Isoform GRB3-3 does not bind to phosphorylated epidermal growth factor receptor (EGFR) but inhibits EGF-induced transactivation of a RAS-responsive element. Isoform GRB3-3 acts as a dominant negative protein over GRB2 and by suppressing proliferative signals, may trigger active programmed cell death.
Sequence similarities	Belongs to the GRB2/sem-5/DRK family. Contains 1 SH2 domain. Contains 2 SH3 domains.
Domain	The SH3 domains mediate interaction with RALGPS1 and SHB.
Cellular localization	Golgi apparatus.

Images



Western blot - Anti-GRB2 antibody (ab2234)

All lanes : Anti-GRB2 antibody (ab2234) at 0.05 µg/ml

Lane 1 : Mouse brain tissue lysate in RIPA buffer

Lane 2 : Rat brain tissue lysate in RIPA buffer

Lane 3 : Mouse spleen tissue lysate in RIPA buffer

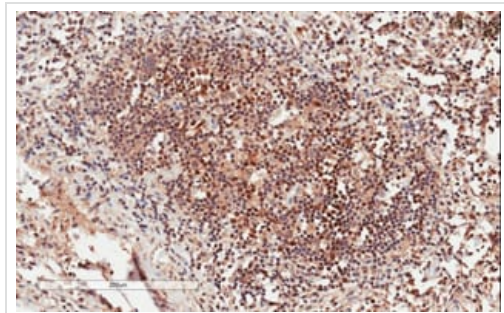
Lane 4 : Rat spleen tissue lysate in RIPA buffer

Lysates/proteins at 35 µg per lane.

Predicted band size: 30 kDa

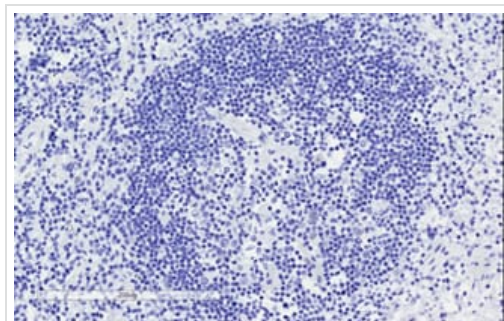
Observed band size: 26 kDa

Primary incubation for 1 hour. Detected using chemiluminescence.



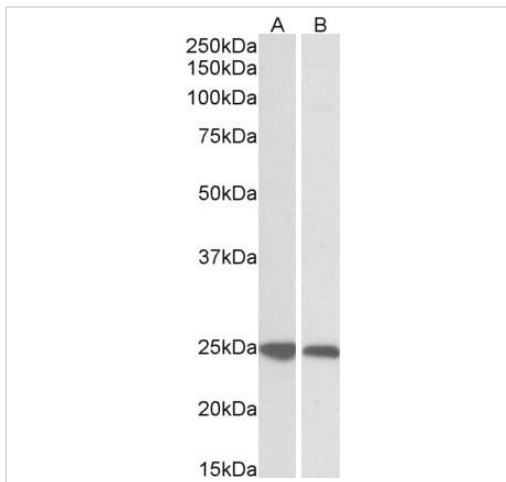
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GRB2 antibody (ab2234)

ab2234 (1 µg/ml) staining of paraffin embedded Human Lymph Node tissue. Microwaved antigen retrieval with citrate buffer pH 6, HRP-staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-GRB2 antibody (ab2234)

ab2234 negative control showing staining of paraffin embedded Human Lymph Node tissue, with no primary antibody.



Western blot - Anti-GRB2 antibody (ab2234)

All lanes : Anti-GRB2 antibody (ab2234) at 0.05 µg/ml

Lane 1 : Human spleen tissue lysate in RIPA buffer

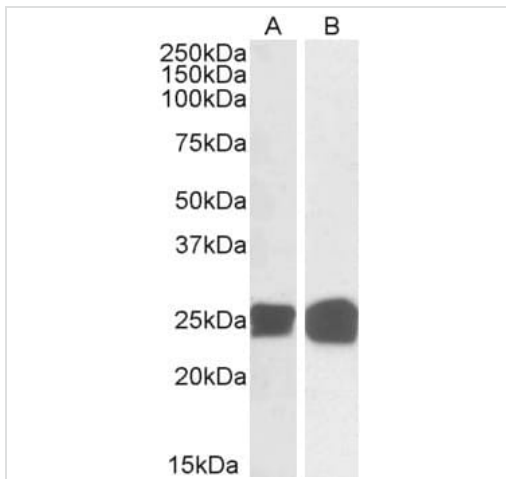
Lane 2 : Pig spleen tissue lysate in RIPA buffer

Lysates/proteins at 35 µg per lane.

Predicted band size: 30 kDa

Observed band size: 26 kDa

Primary incubation for 1 hour. Detected using chemiluminescence.



Western blot - Anti-GRB2 antibody (ab2234)

Lane 1 : Anti-GRB2 antibody (ab2234) at 0.05 µg/ml

Lane 2 : Anti-GRB2 antibody (ab2234) at 0.05 µg

Lane 1 : Human thymus tissue lysate in RIPA buffer

Lane 2 : MOLT4 cell lysate in RIPA buffer

Lysates/proteins at 35 µg per lane.

Predicted band size: 30 kDa

Observed band size: 26 kDa

Primary incubation for 1 hour. Detected using chemiluminescence.

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

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