

Product datasheet

Anti-BCAT1 antibody ab232700

6 Images

Overview

Product name	Anti-BCAT1 antibody
Description	Rabbit polyclonal to BCAT1
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Mouse, Rat
Immunogen	<p>Recombinant fragment (His-T7-tag) corresponding to Mouse BCAT1 aa 158-386. (Expressed in E.coli).</p> <p>Sequence:</p> <p>ASLYIRPTFIGTEPSLGVKKPSKALLFVILSPVGPYFSSGSF TPVSLWAN PKYIRAWKGGTGDCKMGGNYGASLLAQCEAVENGCCQV LWLYGKDNQITE VGTMNFLYWINEDGEEELATPPLDGIILPGVTRQSILELAQ QWGEFKVC ERHLTMDDLATALEGNRVKEMFGSGTACVVCPVSDILYK GQMLHIPTMEN GPKLASRILGKLTDIQYGRVESDWTIELP</p>

Database link: [P24288](#)

[Run BLAST with](#)

[Run BLAST with](#)

Positive control WB: Recombinant mouse BCAT1 protein; Mouse cerebrum and kidney lysates; Rat cerebrum lysate. IHC-P: Mouse pancreas and kidney tissues.

General notes

Reproducibility is key to advancing scientific discovery and accelerating scientists' next breakthrough.

Abcam is leading the way with our range of recombinant antibodies, knockout-validated antibodies and knockout cell lines, all of which support improved reproducibility.

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.

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

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: 7.40 Preservative: 0.02% Sodium azide Constituents: PBS, 50% Glycerol
Purity	Immunogen affinity purified
Purification notes	ab232700 was purified by antigen-specific affinity chromatography followed by Protein A affinity chromatography.
Clonality	Polyclonal
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab232700** in the following tested applications.

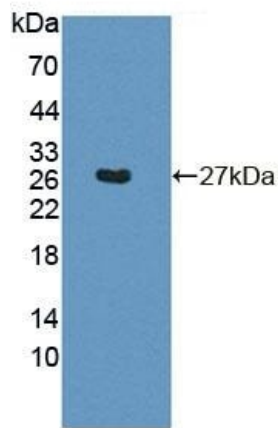
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 0.2 - 2 µg/ml. Predicted molecular weight: 43 kDa.
IHC-P		Use a concentration of 5 - 20 µg/ml.

Target

Function	Catalyzes the first reaction in the catabolism of the essential branched chain amino acids leucine, isoleucine, and valine.
Tissue specificity	During embryogenesis, expressed in the brain and kidney. Overexpressed in MYC-induced tumors such as Burkitt's lymphoma.
Sequence similarities	Belongs to the class-IV pyridoxal-phosphate-dependent aminotransferase family.
Cellular localization	Cytoplasm.

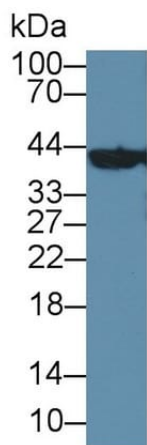
Images



Western blot - Anti-BCAT1 antibody (ab232700)

Anti-BCAT1 antibody (ab232700) at 2 μ g/ml + Recombinant mouse BCAT1 protein

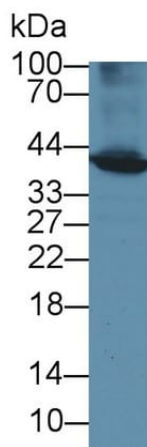
Predicted band size: 43 kDa



Western blot - Anti-BCAT1 antibody (ab232700)

Anti-BCAT1 antibody (ab232700) at 2 μ g/ml + Mouse cerebrum lysate

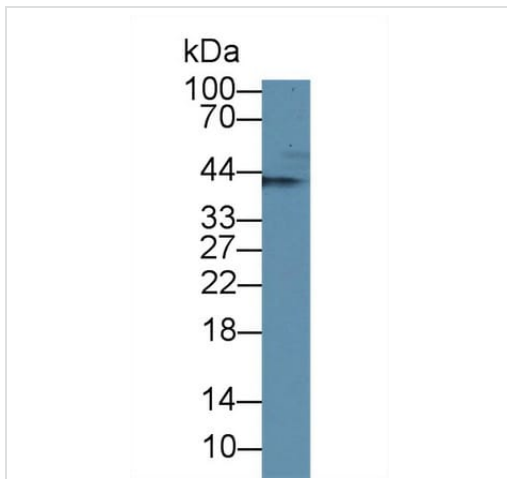
Predicted band size: 43 kDa



Western blot - Anti-BCAT1 antibody (ab232700)

Anti-BCAT1 antibody (ab232700) at 2 μ g/ml + Mouse kidney lysate

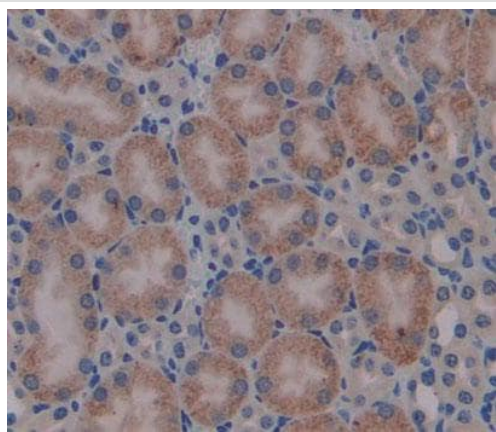
Predicted band size: 43 kDa



Western blot - Anti-BCAT1 antibody (ab232700)

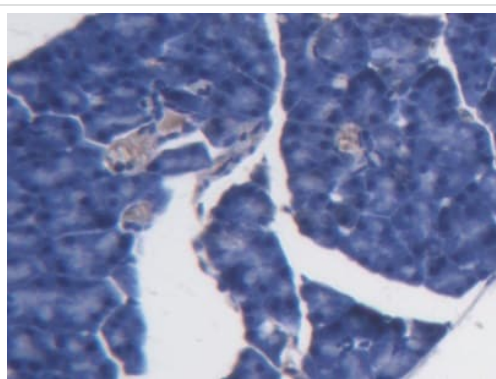
Anti-BCAT1 antibody (ab232700) at 2 μ g + Rat cerebrum lysate

Predicted band size: 43 kDa



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BCAT1 antibody (ab232700)

Formalin-fixed, paraffin-embedded mouse kidney tissue stained for BCAT1 using ab232700 at 20 μ g/ml in immunohistochemical analysis. DAB staining.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BCAT1 antibody (ab232700)

Paraffin-embedded mouse pancreas tissue stained for BCAT1 using ab232700 at 20 μ g/ml in immunohistochemical analysis. DAB staining.

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

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