

Rabbit BACH2 Polyclonal Antibody | anti-BACH2 antibody

BACH2 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323438	Rabbit	Human, Mouse, Rat	ELISA, Immunohistochemistry, Western Blot

PRODUCT SYNONYMS

BACH2; Polyclonal Antibody; BACH2 Antibody; Bach 2; Bach2; BACH2_HUMAN; Basic leucine zipper transcription factor 2; BTB and CNC homolog 2; BTB and CNC homology 1 basic leucine zipper transcription factor 2; BTB domain and CNC homolog 2; BTBD25; OTTHUMP00000016867; OTTHUMP00000016868; OTTHUMP00000040591; Transcription regulator protein BACH2; anti-BACH2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	BACH2 antibody detects endogenous levels of total BACH2
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	841
Applicable Applications for anti-BACH2 antibody	ELISA, IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide
Subcellular Location	Nucleus.
Tissue Specificity	B-cell specific.
Conjugation	Unconjugated

IMAGES



IHC (Immunohistochemistry)

AAA323438 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.



WB (Western Blot)

Western blot analysis of BACH2 expression in A431 whole cell lysate, The lane on the left is treated with the antigen-specific peptide.

ADDITIONAL INFORMATION

Related Product Information for anti-BACH2 antibody	Function: Transcriptional regulator that acts as repressor or activator (By similarity). Binds to Maf recognition elements (MARE) (By similarity). Plays an important role in coordinating transcription activation and repression by MAFK (By similarity). Induces apoptosis in response to oxidative stress through repression of the antiapoptotic factor HMOX1 (PubMed:17018862). Positively regulates the nuclear import of actin (By similarity). Subunit Structure: Homodimer; disulfide-linked (PubMed:22194330). Heterodimer of BACH2 and Maf-related transcription factors (By similarity). Post-translational Modifications: Phosphorylation at Ser-521 downstream of the PI-3K pathway promotes nuclear export. The reversible disulfide bond may provide a mechanism to regulate the activity in oxidative stress responses. Similarity: Belongs to the bZIP family. CNC subfamily.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	282847373
NCBI GeneID	60468
NCBI Accession #	NP_001164265.1
NCBI GenBank Nucleotide #	NM_001170794.1
UniProt Accession #	Q9BYV9; Q59H70; Q5T793; Q9NTS5; E1P518
Molecular Weight	Observed: 93 kDa Predicted: 93 kDa
NCBI Official Full Name	transcription regulator protein BACH2
NCBI Official Synonym Full Names	BTB domain and CNC homolog 2
NCBI Official Symbol	BACH2
NCBI Official Synonym Symbols	BTBD25
NCBI Protein Information	transcription regulator protein BACH2
UniProt Protein Name	Transcription regulator protein BACH2
UniProt Gene Name	BACH2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/bach2-antibody-immunohistochemistry-western-blot-elisa/323438>