Datasheet for ABIN2779311

anti-BAD antibody (Middle Region)

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Overview

Quantity:	100 µL
Target:	BAD
Binding Specificity:	Middle Region
Reactivity:	Human, Mouse, Rat, Rabbit, Cow, Guinea Pig, Horse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BAD antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Sequence:	GAVEIRSRHS SYPAGTEDDE GMGEEPSPFR GRSRSAPPNL WAAQRYGREL
Predicted Reactivity:	Cow: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 100%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against BAD. It was validated on Western Blot.
Purification:	Affinity Purified

Target Details

Target:	BAD
Alternative Name:	BAD (BAD Products)
Background:	The protein encoded by this gene is a member of the BCL-2 family. BCL-2 family members are

Target Details

	known to be regulators of programmed cell death. This protein positively regulates cell apoptosis by forming heterodimers with BCL-xL and BCL-2, and reversing their death repressor activity. Proapoptotic activity of this protein is regulated through its phosphorylation. Protein kinases AKT and MAP kinase, as well as protein phosphatase calcineurin were found to be involved in the regulation of this protein. Alternative splicing of this gene results in two transcript variants which encode the same isoform. Alias Symbols: BBC2, BCL2L8 Protein Interaction Partner: BCL2L1, BCL2, AKT1, PAK1, BMH1, YWHAB, SFN, YWHAZ, RAF1, PRKACA, BRAF, ARAF, CREB3L3, STEAP3, YWHAQ, KEAP1, YWHAH, YWHAE, PRDX2, CDKN1A, VCP, SNCA, PPP1CA, BAX, SUMO2, YWHAG, PIM3, MCL1, RPS6KA5, PAK7, BCL2L10, WASF1, HRK, MAP2K5, BCL2L2, RPS6KA2, RPS6KA1 Protein Size: 168
Molecular Weight:	18 kDa
Gene ID:	572
NCBI Accession:	NM_004322, NP_004313
UniProt:	Q92934
Pathways:	MAPK Signaling, PI3K-Akt Signaling, RTK Signaling, Apoptosis, Fc-epsilon Receptor Signaling Pathway, Positive Regulation of Peptide Hormone Secretion, Carbohydrate Homeostasis, Positive Regulation of Endopeptidase Activity, Regulation of Carbohydrate Metabolic Process, Hepatitis C, CXCR4-mediated Signaling Events

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 168 AA
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

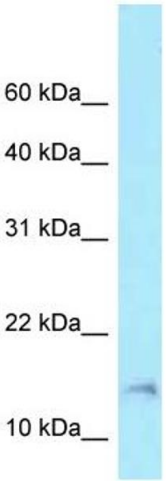
Publications

Product cited in:

Mishra, Thakur, Somal, Parmar, Yadav, Bharati, Bharti, Paul, Verma, Chouhan, Sharma, Singh, González, DOcchio, Sarkar et al.: "Expression and localization of angiopoietin family in buffalo ovarian follicles during different stages of development and modulatory role of angiopoietins on steroidogenesis and survival of cultured ..." in: **Theriogenology**, Vol. 86, Issue 7, pp. 1818-33, (2016) (PubMed).

Mishra, Parmar, Yadav, Reshma, Bharati, Bharti, Paul, Chouhan, Taru Sharma, Singh, Sarkar et al.: "Expression and localization of angiopoietin family in corpus luteum during different stages of oestrous cycle and modulatory role of angiopoietins on steroidogenesis, angiogenesis and survivability ..." in: **Reproduction in domestic animals = Zuchthygiene**, Vol. 51, Issue 6, pp. 855-869, (2016) (PubMed).

Images



Western Blotting

Image 1. WB Suggested Anti-BAD Antibody Titration: 1.0 ug/ml Positive Control: 721_B Whole Cell BAD is strongly supported by BioGPS gene expression data to be expressed in Human 721_B cells