

Rabbit IGHMBP2 Polyclonal Antibody | anti-IGHMBP2 antibody

IGHMBP2 Antibody

CATALOG # AAA327957	HOST Rabbit	REACTIVITY Human, Mouse, Rat	APPLICATIONS ELISA, Western Blot
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PRODUCT SYNONYMS

IGHMBP2; Polyclonal Antibody; IGHMBP2 Antibody; AEP; Antifreeze enhancer binding protein; ATP-dependent helicase IGHMBP2; Cardiac transcription factor 1; Cardiac transcription factor1; CATF 1; CATF1; CMT2S; DNA-binding protein SMUBP-2; GF-1; Glial factor 1; HCSA; HMN 6; HMN6; IGHMBP 2; Ighmbp2; Immunoglobulin mu binding protein 2; Immunoglobulin mu binding protein2; Immunoglobulin mu-binding protein 2; Immunoglobulin S mu binding protein 2; Immunoglobulin S mu binding protein2; RIPE3 b1; RIPE3b 1; RIPE3b1; SMARD 1; SMARD1; SMBP2_HUMAN; SMUBP 2; SMUBP2; ZFAND7; zinc finger; AN1 type domain 7; anti-IGHMBP2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	IGHMBP2 antibody detects endogenous levels of total IGHMBP2
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	993
Applicable Applications for anti-IGHMBP2 antibody	ELISA, WB (Western Blot)
Immunogen	A synthesized peptide derived from human IGHMBP2
Subcellular Location	Nucleus. Cytoplasm. Cell Projection > Axon. Colocalizes with the traslation initiation factor EIF4G2.
Tissue Specificity	Expressed in all tissues examined. Expressed in the developing and adult human brain, with highest expression in the cerebellum. Moderately expressed in fibroblasts.
Predicted Cross Reactivity	Pig, Zebrafish, Horse, Sheep, Dog, Chicken, Xenopus
Similarity	Pig (100%), Zebrafish (89%), Horse (100%), Sheep (90%), Dog (80%), Chicken (100%), Xenopus (100%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts from mouse kidney, using IGHMBP2 Antibody.



WB (Western Blot)
Western blot analysis IGHMBP2 using Jurkat whole cell lysates

ADDITIONAL INFORMATION

Related Product Information for anti-IGHMBP2 antibody	Function: 5' to 3' helicase that unwinds RNA and DNA duplices in an ATP-dependent reaction. Acts as a transcription regulator. Required for the transcriptional activation of the flounder liver-type antifreeze protein gene. Exhibits strong binding specificity to the enhancer element B of the flounder antifreeze protein gene intron. Binds to the insulin II gene RIPE3B enhancer region. May be involved in translation (By similarity). DNA-binding protein specific to 5'-phosphorylated single-stranded guanine-rich sequence related to the immunoglobulin mu chain switch region. Preferentially binds to the 5'-GGGCT-3' motif. Interacts with tRNA-Tyr. Stimulates the transcription of the human neurotropic virus JCV. Subunit Structure: Homooligomer. Interacts with RUVBL1, RUVBL2, GTF3C1 and ABT1. Is part of large cytosolic ribonucleoprotein complexes (Probable). Associates with the ribosomes. Similarity: Belongs to the DNA2/NAM7 helicase family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	119392094
NCBI GeneID	3508
NCBI Accession #	NP_002171.2
NCBI GenBank Nucleotide #	NM_002180.2
UniProt Accession #	P38935; Q00443; Q14177; A0PJD2
Molecular Weight	Observed: 109 kDa Predicted: 110 kDa
NCBI Official Full Name	DNA-binding protein SMUBP-2
NCBI Official Synonym Full Names	immunoglobulin mu DNA binding protein 2
NCBI Official Symbol	IGHMBP2
NCBI Official Synonym Symbols	HCSA; HMN6; CATF1; CMT2S; SMARD1; SMUBP2; ZFAND7
NCBI Protein Information	DNA-binding protein SMUBP-2
UniProt Protein Name	DNA-binding protein SMUBP-2
UniProt Gene Name	IGHMBP2
UniProt Synonym Gene Names	SMBP2; SMUBP2; GF-1

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.