Datasheet for ABIN1386574

anti-IGHMBP2 antibody (AA 271-355)

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Overview

Quantity:	100 µL
Target:	IGHMBP2
Binding Specificity:	AA 271-355
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IGHMBP2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human SMUBP2
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Cow,Sheep,Pig
Purification:	Purified by Protein A.

Target Details

Target:	IGHMBP2

Target Details

Alternative Name:	SMUBP2 (IGHMBP2 Products)
Background:	Synonyms: AEP, Antreeze enhancer binding protein, ATP-dependent helicase IGHMBP2, Cardiac transcription factor 1, Cardiac transcription factor1, CATF 1, CATF1, 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. Background: IGHMBP2 is a 993 amino acid nuclear and cytoplasmic protein that is ubiquitously expressed. Belonging to the DNA2/NAM7 helicase family, IGHMBP2 is a 5' to 3' helicase that unwinds RNA and DNA duplexes in an ATP-dependent reaction. IGHMBP2 also acts as a transcriptional regulator and is necessary for transcriptional activation of the flounder liver-type antifreeze protein gene. IGHMBP2 exists as a homooligomer and is part of the cytosolic ribonucleoprotein complex. Mutations in the gene encoding IGHMBP2 are suggested to lead to distal hereditary motor neuronopathy type 6 (HMN6), also known as spinal muscular atrophy distal autosomal recessive 1 (DSMA1) or spinal muscular atrophy with respiratory distress 1 (SMARD1). HMN6 is characterized by weakness and wasting of distal muscles of the anterior tibial and peroneal compartments of the legs and severe respiratory distress.

Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200
	ICC 1:100-500

Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 μg/μL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.

Handling

Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months