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Datasheet for ABIN5010763

**anti-IGHMBP2 antibody (AA 271-355) (Alexa Fluor 680)**

## Overview

Quantity:	100 µL
Target:	IGHMBP2
Binding Specificity:	AA 271-355
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This IGHMBP2 antibody is conjugated to Alexa Fluor 680
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## 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
Alternative Name:	SMUBP2 ( <a href="#">IGHMBP2 Products</a> )

## Target Details

Background:	<p>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.</p> <p>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.</p>
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## Application Details

Application Notes:	IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	-20 °C

Handling

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Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
Expiry Date:	12 months