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Datasheet for ABIN1700562
anti-MIB1 antibody (AA 101-200) (Biotin)

Overview

Quantity:	100 µL
Target:	MIB1
Binding Specificity:	AA 101-200
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MIB1 antibody is conjugated to Biotin
Application:	ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human Mib1/Mindbomb
Isotype:	IgG
Predicted Reactivity:	Human,Mouse,Rat,Dog,Cow,Chicken,Rabbit
Purification:	Purified by Protein A.

Target Details

Target:	MIB1
Abstract:	MIB1 Products
Background:	Synonyms: DAPK-interacting protein 1, Dip 1, DIP-1, Dip1, E3 ubiquitin protein ligase MIB 1, E3

Target Details

ubiquitin protein ligase MIB1, E3 ubiquitin-protein ligase mib1, mib1, MIB1_HUMAN, Mind bomb homolog 1, Zinc finger ZZ type with ankyrin repeat domain protein 2.

Background: MIB1 is a 1006 amino acid E3 ubiquitin ligase that activates the Notch ligand, Delta. MIB1 ubiquitinates Delta by binding to its intracellular domain, leading to the endocytosis and eventual degradation of the Delta receptor, which, paradoxically, results in the up-regulation of receptor activity and enhances Notch signaling. MIB1 also interacts with DAPK, a protein that plays an important role in the regulation of apoptosis. Ubiquitination of DAPK leads to inhibition of caspase-dependent apoptosis, therefore it is likely that overexpression of MIB1 can lead to tumor growth. Although it seems to be widely expressed at low levels, MIB1 is expressed at highest concentrations in the CNS and ovary. Both DAPK and MIB1 are overexpressed in epileptic brain tissue, suggesting that they probably cooperate as regulators of neuronal death in epilepsy.

Gene ID: 57534

Pathways: [SARS-CoV-2 Protein Interactome](#), [The Global Phosphorylation Landscape of SARS-CoV-2 Infection](#)

Application Details

Application Notes: IHC-P 1:200-400
IHC-F 1:100-500

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

Storage Comment: Store at -20°C for 12 months.

Handling

Expiry Date: 12 months