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Datasheet for ABIN7119193 **anti-SMCR7L antibody**

Overview

Quantity:	100 µg
Target:	SMCR7L
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMCR7L antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunoprecipitation (IP)

Product Details

Immunogen:	Smith-Magenis syndrome chromosome region, candidate 7-like
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

Target Details

Target:	SMCR7L
Alternative Name:	SMCR7L (SMCR7L Products)
Background:	Synonyms:dJ1104E15.3, FLJ20232, HSU79252, MID51, MIEF1, SMCR7L Background:Human SMCR7L gene encodes, MID51, the mitochondrial dynamic protein of 51 kDa(also called mitochondrial elongation factor 1, MIEF1). MID51 is a single-pass membrane protein anchored to the mitochondrial outer membrane and regulates mitochondrial morphology. Mitochondrial

Target Details

morphology is controlled by two opposing processes: fusion and fission. Elevated MID51 levels induce extensive mitochondrial fusion, whereas depletion of MID51 causes mitochondrial fragmentation. MID51 interacts with and recruits Drp1 to mitochondria, suggesting a critical role of MID51 in regulation of mitochondrial fusion-fission machinery in vertebrates.

Molecular Weight: 49 kDa

UniProt: [Q9NQG6](#)

Application Details

Application Notes: WB: 1:500-1:5000, IP: 1:500-1:5000, IF: 1:10-1:100

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months