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Datasheet for ABIN7159854
anti-SMCR7L antibody (AA 51-309) (Biotin)

Overview

Quantity:	100 µg
Target:	SMCR7L
Binding Specificity:	AA 51-309
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMCR7L antibody is conjugated to Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Mitochondrial dynamics protein MID51 protein (51-309AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	SMCR7L
Alternative Name:	MIEF1 (SMCR7L Products)
Background:	Background: Mitochondrial outer membrane protein which regulates mitochondrial fission. Promotes the recruitment and association of the fission mediator dynamin-related protein 1

Target Details

(DNM1L) to the mitochondrial surface independently of the mitochondrial fission FIS1 and MFF proteins. Regulates DNM1L GTPase activity and DNM1L oligomerization. Binds ADP and can also bind GDP, although with lower affinity. Does not bind CDP, UDP, ATP, AMP or GTP. Inhibits DNM1L GTPase activity in the absence of bound ADP. Requires ADP to stimulate DNM1L GTPase activity and the assembly of DNM1L into long, oligomeric tubules with a spiral pattern, as opposed to the ring-like DNM1L oligomers observed in the absence of bound ADP. Does not require ADP for its function in recruiting DNM1L.

Aliases: MIEF1 antibody, MID51 antibody, SMCR7L antibody, Mitochondrial dynamics protein MID51 antibody, Mitochondrial dynamics protein of 51 kDa antibody, Mitochondrial elongation factor 1 antibody, Smith-Magenis syndrome chromosomal region candidate gene 7 protein-like antibody, SMCR7-like protein antibody

UniProt: [Q9NQG6](#)

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

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, -80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.