

Datasheet for ABIN6143839
anti-SMCR7L antibody (AA 40-280)



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Overview

Quantity:	100 µL
Target:	SMCR7L
Binding Specificity:	AA 40-280
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SMCR7L antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 40-280 of human MIEF1 (NP_061881.2).
Sequence:	GIATLAVKRM YDRAISAPTS PTRLSHSGKR SWEEPNNWMGS PRLNLRDMKT GLSRSLQTLP TDSSTFDTDT FCPPRPKPVA RKGQVDLKKs RLRMSLQEKL LTYRNRRAI PAGEQARAKQ AAVDICAELR SFLRAKLPDM PLRDMYLSGS LYDDLQVVTA DHIQLIVPLV LEQNLWSCIP GEDTIMNVPG FFLVRRENPE YFPRGSSYWD RCVVGGYLSP KTVADTFEKV VAGSINWPAI G
Isotype:	IgG
Cross-Reactivity:	Human
Characteristics:	Polyclonal Antibodies

Target Details

Target:	SMCR7L
Alternative Name:	MIEF1 (SMCR7L Products)
Background:	<p>Mitochondrial outer membrane protein which regulates mitochondrial fission. Promotes the recruitment and association of the fission mediator dynamin-related protein 1 (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</p> <p>DNM1L.,MIEF1,HSU79252,MID51,SMCR7L,dJ1104E15.3,Cell Biology & Developmental Biology,MIEF1</p>
Molecular Weight:	8 kDa/15 kDa/51 kDa
Gene ID:	54471
UniProt:	Q9NQG6

Application Details

Application Notes:	WB,1:500 - 1:2000
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,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:	Store at -20°C. Avoid freeze / thaw cycles.