Datasheet for ABIN7169408 anti-SESN1 antibody (AA 224-337) (HRP)

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Overview

Quantity:	100 µg
Target:	SESN1
Binding Specificity:	AA 224-337
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This SESN1 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Sestrin-1 protein (224-337AA)
Isotype:	lgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	SESN1
Alternative Name:	SESN1 (SESN1 Products)
Background:	Background: Functions as an intracellular leucine sensor that negatively regulates the TORC1
	signaling pathway through the GATOR complex. In absence of leucine, binds the GATOR

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	subcomplex GATOR2 and prevents TORC1 signaling. Binding of leucine to SESN2 disrupts its
	interaction with GATOR2 thereby activating the TORC1 signaling pathway (PubMed:25263562,
	PubMed:26449471). This stress-inducible metabolic regulator may also play a role in protection
	against oxidative and genotoxic stresses (By similarity). May positively regulate the
	transcription by NFE2L2 of genes involved in the response to oxidative stress by facilitating the
	SQSTM1-mediated autophagic degradation of KEAP1 (PubMed:23274085). May have an
	alkylhydroperoxide reductase activity born by the N-terminal domain of the protein (By
	similarity). Was originally reported to contribute to oxidative stress resistance by reducing
	PRDX1 (PubMed:15105503). However, this could not be confirmed (By similarity).
	Aliases: 1110002G11Rik antibody, AU044290 antibody, MGC118148 antibody, MGC138241
	antibody, MGC142129 antibody, OTTMUSP00000022799 antibody, p53 activated gene 26
	antibody, p53 regulated PA26 nuclear protein antibody, p53 regulated protein PA26 antibody,
	p53-regulated protein PA26 antibody, PA26 antibody, RP11-787I22.1 antibody, sesn1 antibody,
	SESN1_HUMAN antibody, SEST1 antibody, sestrin 1 antibody, Sestrin-1 antibody
UniDrot:	002605

UniProt:

Q9Y6P5

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.