

Datasheet for ABIN7169406
anti-SESN1 antibody (AA 224-337) (Biotin)



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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 Biotin
Application:	ELISA

Product Details

Immunogen:	Recombinant Human Sestrin-1 protein (224-337AA)
Isotype:	IgG
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

Target Details

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

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.