

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 ( <a href="#">SESN1 Products</a> )
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

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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

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UniProt: [Q9Y6P5](#)

## Application Details

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

Restrictions: For Research Use only

## Handling

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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.