antibodies .- online.com





anti-Sestrin 2 antibody (AA 42-61) (HRP)



()	1/0	r\ /1	014	
()	ve	I V I	-v	V

Quantity:	100 μL
Target:	Sestrin 2 (SESN2)
Binding Specificity:	AA 42-61
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Sestrin 2 antibody is conjugated to HRP
Application:	ELISA

Product Details

Immunogen:	Peptide sequence from Human Sestrin-2 protein (42-61AA)	
Isotype:	IgG	
Cross-Reactivity:	Human	
Purification:	>95%, Protein G purified	

Target Details

Target:	Sestrin 2 (SESN2)	
Alternative Name:	SESN2 (SESN2 Products)	
Background:	Background: Functions as an intracellular leucine sensor that negatively regulates the TORG	
	signaling pathway through the GATOR complex. In absence of leucine, binds the GATOR	

PubMed:25457612, PubMed:26449471, PubMed:26612684, PubMed:26586190). Binding of leucine to SESN2 disrupts its interaction with GATOR2 thereby activating the TORC1 signaling pathway (PubMed:26449471, PubMed:26586190). This stress-inducible metabolic regulator also plays a role in protection against oxidative and genotoxic stresses. May negatively regulate protein translation in response to endoplasmic reticulum stress, via TORC1 (PubMed:24947615). 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 also mediate TP53 inhibition of TORC1 signaling upon genotoxic stress (PubMed:18692468). Has an alkylhydroperoxide reductase activity born by the N-terminal domain of the protein (PubMed:26612684). Was originally reported to contribute to oxidative stress resistance by reducing PRDX1 (PubMed:15105503). However, this could not be confirmed (PubMed:19113821).

subcomplex GATOR2 and prevents TORC1 signaling (PubMed:18692468, PubMed:25263562,

Aliases: DKFZp761M0212 antibody, DKFZp761M02121 antibody, Hi95 antibody, Hypoxia induced gene 95 antibody, MGC11758 antibody, OTTHUMP00000003641 antibody, OTTMUSP00000010184 antibody, RP23 63D8.3 antibody, SES2 antibody, SESN 2 antibody, SESN2 antibody, SESN2 antibody, Sestrin 2 antibody, Sestrin-2 antibody

UniProt:

P58004

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.