

Rabbit anti-Human SESN2 Polyclonal Antibody | anti-SESN2 antibody

Rabbit anti-SESN2 Antibody, Affinity Purified

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA213474	Rabbit	Human	Immunoprecipitation, Western Blot

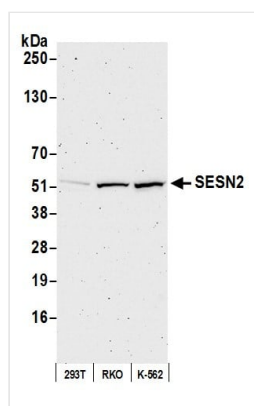
PRODUCT SYNONYMS

SESN2; Polyclonal Antibody; Rabbit anti-SESN2 Antibody; Affinity Purified; HI95; hypoxia induced gene 95; hypoxia-induced; Hypoxia-induced gene; SES2; SEST2; sestrin-2; Sestrin-2; sestrin 2; anti-SESN2 antibody

PRODUCT SPECIFICATIONS

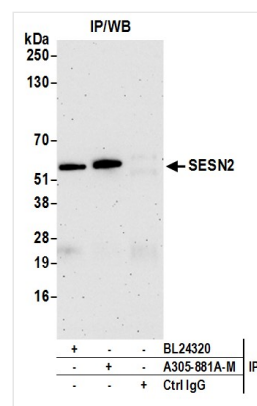
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Purity/Purification	Antigen Affinity Purified
Form/Format	Liquid. Whole IgG. Tris-citrate/phosphate buffer, pH 7 to 8 containing 0.09% Sodium Azide
Concentration	1000ug/ml (varies by lot)
Applicable Applications for anti-SESN2 antibody	IP (Immunoprecipitation), WB (Western Blot)
Predicted Reactivity	Mouse, Orangutan
Immunogen	Between 275 and 325
Conjugation	Unconjugated
Preparation and Storage	Store at 2-8 degree C Shelf Life: 1 year from date of receipt

IMAGES



WB (Western Blot)

Detection of human SESN2 by western blot. Samples: Whole cell lysate (50 ug) from HEK293T, RKO, and K-562 cells prepared using NETN lysis buffer. Antibody: Affinity purified rabbit anti-SESN2 antibody (AAA213474 lot 1) used for WB at 0.04 mg/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.



IP (Immunoprecipitation)

Detection of human SESN2 by western blot of immunoprecipitates. Samples: Whole cell lysate (1.0 mg per IP reaction; 20% of IP loaded) from HEK293T cells prepared using NETN lysis buffer. Antibodies: Affinity purified rabbit anti-SESN2 antibody (AAA213474 lot 1) used for IP at 1 ug per reaction. SESN2 was also immunoprecipitated by rabbit anti-SESN2 antibody BL24320. For blotting immunoprecipitated SESN2, AAA213474 was used at 0.04 mg/ml. Detection: Chemiluminescence with an exposure time of 3 minutes.

ADDITIONAL INFORMATION

Related Product Information for anti- SESN2 antibody	SESN2 functions as an intracellular leucine sensor that negatively regulates the TORC1 signaling pathway through the GATOR complex. In absence of leucine, binds the GATOR subcomplex GATOR2 and prevents TORC1 signaling. Binding of leucine to SESN2 disrupts its interaction with GATOR2 thereby activating the TORC1 signaling pathway. This stress-inducible metabolic regulator also plays a role in protection against oxidative and genotoxic stresses. SESN2 may negatively regulate protein translation in response to endoplasmic reticulum stress, via TORC1, and 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. May also mediate TP53 inhibition of TORC1 signaling upon genotoxic stress, and has an alkylhydroperoxide reductase activity born by the N-terminal domain of the protein. [taken from the Universal Protein Resource (UniProt) www.uniprot.org/uniprot/P58004].
Product Categories/Family for anti- SESN2 antibody	Primary Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	13899299
NCBI GeneID	83667
NCBI Accession #	NP_113647.1
NCBI GenBank Nucleotide #	NM_031459.4
UniProt Accession #	P58004; Q5T7D0; Q96SI5
Molecular Weight	54,494 Da
NCBI Official Full Name	sestrin-2
NCBI Official Synonym Full Names	sestrin 2
NCBI Official Symbol	SESN2
NCBI Official Synonym Symbols	HI95; SES2; SEST2
NCBI Protein Information	sestrin-2
UniProt Protein Name	Sestrin-2
UniProt Gene Name	SESN2
UniProt Synonym Gene Names	SEST2
UniProt Entry Name	SESN2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/sesn2-antibody-immunoprecipitation-western-blot-elisa/213474>