

Product datasheet for **TA349117**

SESN2 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	IF, IHC, WB
Recommended Dilution:	WB: 1 - 2 ug/mL, IHC: 5 ug/mL, IF: 20 ug/mL
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Immunogen:	SESTRIN2 antibody was raised against a 19 amino acid peptide near the center of human SESTRIN2.
Formulation:	PBS containing 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	SESTRIN2 antibody is affinity chromatography purified via peptide column.
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	Predicted: 54 kDa; Observed: 53 kDa
Gene Name:	sestrin 2
Database Link:	NP_113647 Entrez Gene 83667 Human P58004
Background:	SESTRIN2, also known as Hi95, is a member of the sestrin family of PA26-related proteins and is induced following DNA damage or oxidative stress (1). SESTRIN2 and the related protein SESTRIN1 interact with the NRF2 suppressor KEAP1, the autophagy substrate p62 and the ubiquitin ligase RBX1 to protect cells against oxidative stress by activating NRF2 and promoting the p62-dependent autophagic degradation of KEAP1 (2). SESTRIN2 also negatively regulates TOR signaling by activating AMP-activated protein kinase (AMPK) and TSC2 phosphorylation (3), thereby protecting cells against energetic stress-induced death (4).
Synonyms:	HEL-205; MRD2; ZIR8



[View online »](#)

Product images:

