

For Research Use Only

Sestrin 2 Recombinant antibody

Catalog Number:83202-3-RR



Basic Information

Catalog Number: 83202-3-RR	GenBank Accession Number: BC013304	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 83667	CloneNo.: 240034H3
Source: Rabbit	UNIPROT ID: P58004	Recommended Dilutions: WB 1:5000-1:50000
Isotype: IgG	Full Name: sestrin 2	
Immunogen Catalog Number: AG1247	Calculated MW: 54 kDa	
	Observed MW: 54 kDa	

Applications

Tested Applications: WB, ELISA, FC (Intra)	Positive Controls: WB : HeLa cells, HEK-293 cells
Species Specificity: Human	

Background Information

SESN is a family of highly conserved, stress-inducible genes that can defend the cell against oxidative damage and oncogenic signaling. SESN2, which belongs to the SESN family, has been implicated as a tumor suppressor that can inhibit angiogenesis and promote autophagy, underscoring the importance of elucidating the molecular mechanism by which SESN2 regulates pathways of metabolism and survival.(PMID:22363791).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

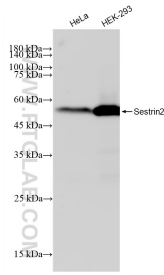
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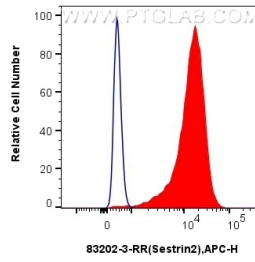
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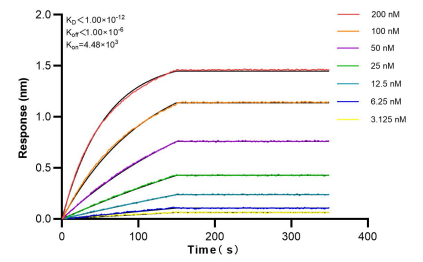
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 83202-3-RR (Sestrin 2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



1×10^6 HEK-293 cells were intracellularly stained with 0.25 μ g Sestrin 2 Recombinant antibody (83202-3-RR, Clone:240034H3) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 μ g Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Bioluminescence resonance energy transfer (BRET) kinetic assays of 83202-3-RR against Human Sestrin 2 were performed. The affinity constant is below 1 pM.