

# Sestrin 2 Recombinant antibody

Catalog Number: 83202-3-RR

## Basic Information

**Catalog Number:**

83202-3-RR

**Size:**

1000 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG1247

**GenBank Accession Number:**

BC013304

**GeneID (NCBI):**

83667

**UNIPROT ID:**

P58004

**Full Name:**

sestrin 2

**Calculated MW:**

54 kDa

**Observed MW:**

54 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

240034H3

**Recommended Dilutions:**

WB 1:5000-1:50000

## Applications

**Tested Applications:**

WB, ELISA, FC (Intra)

**Species Specificity:**

Human

**Positive Controls:**

WB : HeLa cells, HEK-293 cells

## 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:**

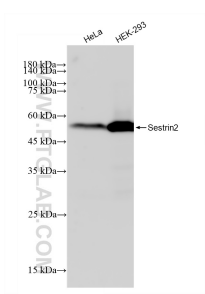
Store at -20°C. Stable for one year after shipment.

**Storage Buffer:**

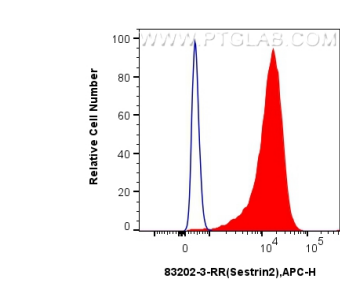
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

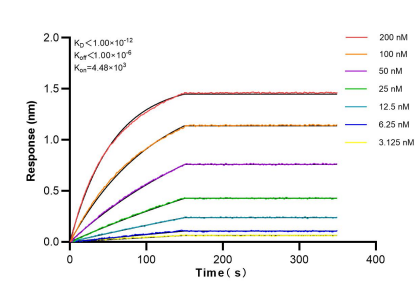
Selected Validation Data



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.



1x10<sup>6</sup> HEK-293 cells were intracellularly stained with 0.25 ug Sestrin 2 Recombinant antibody (83202-3-RR, Clone:240034H3) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) (red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83202-3-RR against Human Sestrin 2 were performed. The affinity constant is below 1 pM.