



Rabbit Anti-Hi95 antibody

SL8326R

Product Name:	Hi95
Chinese Name:	缺氧诱导基因95抗体
Alias:	Hi95; Hypoxia induced gene 95; MGC11758; OTTHUMP00000003641; RP23 63D8.3; SES2; SESN 2; SEST2; Sestrin 2; DKFZp761M02121; OTTMUSP00000010184; DKFZp761M0212; SESN2_HUMAN.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,Sheep,
Applications:	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800Flow-Cyt=2ug/TestIF=1:50-200 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	54kDa
Cellular localization:	The nucleocytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human SESN2/Hi95:101-200/480
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	SESN2 is a member of the sestrin family of PA26-related proteins. The It may function in the regulation of cell growth and survival and also in cellular response to different stress conditions. Function:

Involved in the reduction of peroxiredoxins.

Subcellular Location:

Cytoplasmic and Nuclear

Tissue Specificity:

Widely expressed.

Similarity:

Belongs to the sestrin family.

SWISS:

P58004

Gene ID:

83667

Database links:

[Entrez Gene: 83667](#)Human

[Entrez Gene: 230784](#)Mouse

[Entrez Gene: 502988](#)Rat

[Omim: 607767](#)Human

[SwissProt: P58004](#)Human

[SwissProt: P58043](#)Mouse

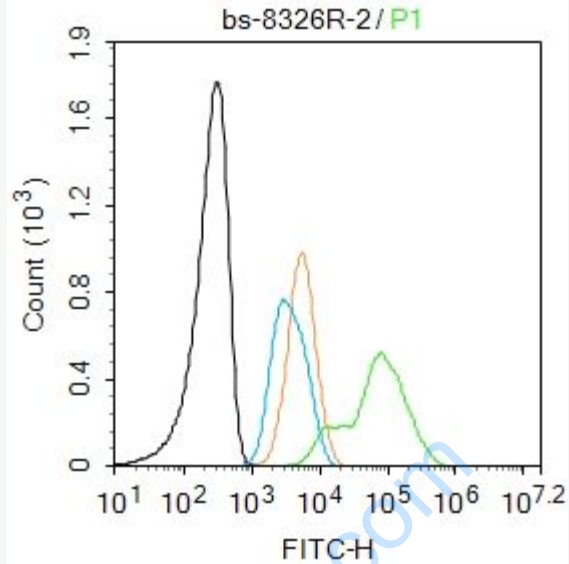
[Unigene: 469543](#)Human

[Unigene: 23608](#)Mouse

[Unigene: 37672](#)Rat

Important Note:

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Blank control: K562.

Primary Antibody (green line): Rabbit Anti-Hi95 antibody (SL8326R)

Dilution: $2\mu\text{g} / 10^6$ cells;

Isotype Control Antibody (orange line): Rabbit IgG .

Secondary Antibody : Goat anti-rabbit IgG-AF488

Dilution: $1\mu\text{g} / \text{test}$.

Protocol

The cells were fixed with 4% PFA (10min at room temperature)and then permeabilized with 90% ice-cold methanol for 20 min at -20°C . The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The secondary antibody used for 40 min at room temperature.

Acquisition of 20,000 events was performed.

Picture: