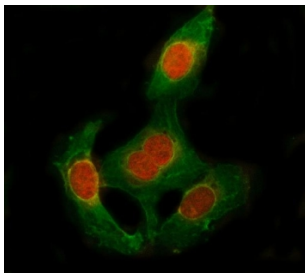
PA26 Antibody / SESN1 / SEST1 / Sestrin 1 (RQ8209)

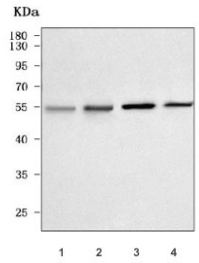
Catalog No.	Formulation	Size
RQ8209	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

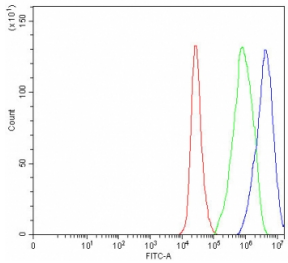
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9Y6P5
Localization	Nuclear, cytoplasmic
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells Direct ELISA: 0.1-0.5ug/ml
Limitations	This PA26 antibody is available for research use only.



Immunofluorescent staining of FFPE human U-2 OS cells with PA26 antibody (red) and Beta Tubulin mAb (green). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human 293T, 2) human K526, 3) rat heart and 4) mouse heart tissue lysate with PA26 antibody. Predicted molecular weight: 50-64 kDa (multiple isoforms).



Flow cytometry testing of fixed and permeabilized human 293T cells with PA26 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= PA26 antibody.

Description

Sestrin 1, also known as p53-regulated protein PA26 and SEST1, is a protein that in humans is encoded by the SESN1 gene. This gene encodes a member of the sestrin family. Sestrins are induced by the p53 tumor suppressor protein and play a role in the cellular response to DNA damage and oxidative stress. The encoded protein mediates p53 inhibition of cell growth by activating AMP-activated protein kinase, which results in the inhibition of the mammalian target of rapamycin protein. The encoded protein also plays a critical role in antioxidant defense by regenerating overoxidized peroxiredoxins, and the expression of this gene is a potential marker for exposure to radiation. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.

Application Notes

Optimal dilution of the PA26 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids M1-A275) was used as the immunogen for the PA26 antibody.

Storage

After reconstitution, the PA26 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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