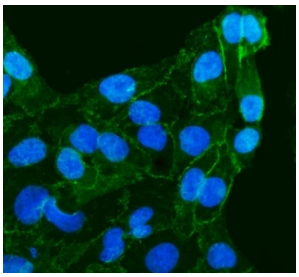
Gamma Catenin Antibody / Plakoglobin / JUP (R30283)

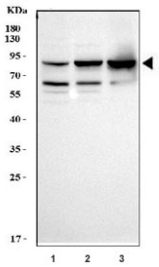
Catalog No.	Formulation	Size
R30283	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

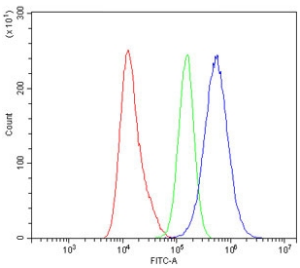
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P14923
Localization	Cell surface, cytoplasmic, cell junctions
Applications	Western blot: 0.5-1ug/ml Immunofluorescence: 5ug/ml Flow cytometry: 1-3ug/million cells
Limitations	This Gamma Catenin antibody is available for research use only.



Immunofluorescent staining of FFPE human HeLa cells with Gamma Catenin antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) 293T, 2) MCF7 and 3) T47D cell lysate with Gamma Catenin antibody. Expected molecular weight: ~86 kDa.



Flow cytometry testing of human A431 cells with Gamma Catenin antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Gamma Catenin antibody.

Description

Catenin gamma, also known as Junction plakoglobin (JUP) or Plakoglobin (PKGB), is a major cytoplasmic protein which is the only known constituent common to submembranous plaques of both desmosomes and intermediate junctions. Catenin beta and gamma, vertebrate homologs of Drosophila armadillo, function in cell adhesion and the Wnt signaling pathway. Catenin gamma may have distinct roles in Wnt signaling and cancer via differential effects on downstream target genes.

For another monoclonal targeting this junctional protein, see our Plakoglobin Antibody 15F11 / Gamma Catenin Monoclonal Antibody.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Gamma Catenin antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the N-terminus of human Gamma Catenin (LLATQVEGQATNLQRLAE) was used as the immunogen for this Gamma Catenin antibody.

Storage

After reconstitution, the Gamma Catenin 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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