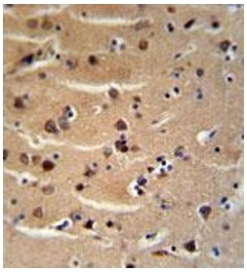
AXIN2 Antibody / Axis inhibition protein 2 (F49172)

Catalog No.	Formulation	Size
F49172-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F49172-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

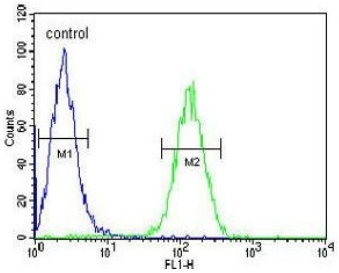
Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	Q9Y2T1
Localization	Cytoplasmic
Applications	Western Blot : 1:1000 IHC (Paraffin) : 1:50-1:100 Flow Cytometry : 1:10-1:50
Limitations	This AXIN2 antibody is available for research use only.

AXIN2 antibody western blot analysis in human Jurkat lysate. Expected molecular weight: 93-100 kDa.



AXIN2 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human brain tissue



AXIN2 antibody flow cytometric analysis of Jurkat cells (right histogram) compared to a negative control (left histogram). FITC-conjugated goat-anti-rabbit secondary Ab was used for the analysis.

Description

The Axin-related protein, Axin2, presumably plays an important role in the regulation of the stability of beta-catenin in the Wnt signaling pathway, like its rodent homologs, mouse conductin/rat axil. In mouse, conductin organizes a multiprotein complex of APC (adenomatous polyposis of the colon), beta-catenin, glycogen synthase kinase 3-beta, and conductin, which leads to the degradation of beta-catenin. Apparently, the deregulation of beta-catenin is an important event in the genesis of a number of malignancies. The AXIN2 gene has been mapped to 17q23-q24, a region that shows frequent loss of heterozygosity in breast cancer, neuroblastoma, and other tumors. Mutations in this gene have been associated with colorectal cancer with defective mismatch repair.

Application Notes

Titration of the AXIN2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 816-843 from the human protein was used as the immunogen for this AXIN2 antibody.

Storage

Aliquot the AXIN2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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