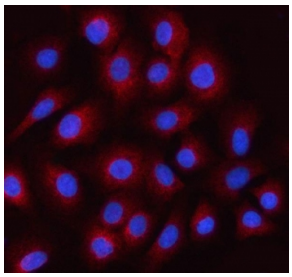
ILPIP Antibody / Als2Cr2 (RQ8026)

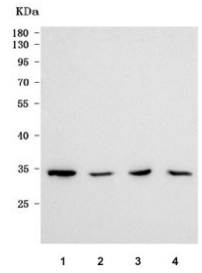
Catalog No.	Formulation	Size
RQ8026	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

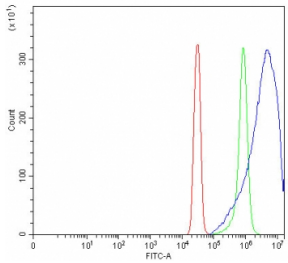
Availability	1-3 business days
Species Reactivity	Human
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	Q9C0K7
Localization	Cytoplasmic, nuclear
Applications	Western Blot : 0.5-1ug/ml Immunofluorescence : 5ug/ml Flow Cytometry : 1-3ug/million cells Direct ELISA : 0.1-0.5ug/ml
Limitations	This ILPIP antibody is available for research use only.



Immunofluorescent staining of FFPE human A549 cells with ILPIP antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of human 1) Raji, 2) HepG2, 3) SH-SY5Y and 4) K562 cell lysate with ILPIP antibody. Predicted molecular weight: 31-47 kDa (multiple isoforms).



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

Description

STE20-related kinase adapter protein beta, also called ILP-interacting protein (ILPIP) and Amyotrophic lateral sclerosis 2 chromosomal region candidate gene 2 protein (Als2Cr2), is an enzyme that in humans is encoded by the STRADB gene. This gene encodes a protein that belongs to the serine/threonine protein kinase STE20 subfamily. One of the active site residues in the protein kinase domain of this protein is altered, and it is thus a pseudokinase. This protein is a component of a complex involved in the activation of serine/threonine kinase 11, a master kinase that regulates cell polarity and energy-generating metabolism. This complex regulates the relocation of this kinase from the nucleus to the cytoplasm, and it is essential for G1 cell cycle arrest mediated by this kinase. The protein encoded by this gene can also interact with the X chromosome-linked inhibitor of apoptosis protein, and this interaction enhances the anti-apoptotic activity of this protein via the JNK1 signal transduction pathway. Two pseudogenes, located on chromosomes 1 and 7, have been found for this gene. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

Application Notes

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

Immunogen

E. coli-derived recombinant human protein (amino acids E24-E411) was used as the immunogen for the ILPIP antibody.

Storage

After reconstitution, the ILPIP 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