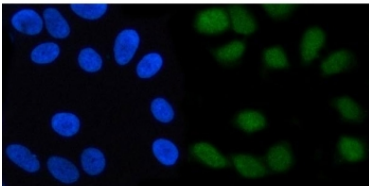


SCFD2 Antibody / Sec1 family domain-containing protein 2 (RQ8250)

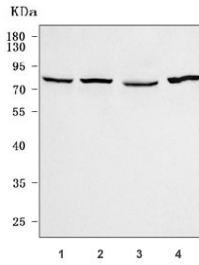
| Catalog No. | Formulation | Size |
|-------------|---|--------|
| RQ8250 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

[Bulk quote request](#)

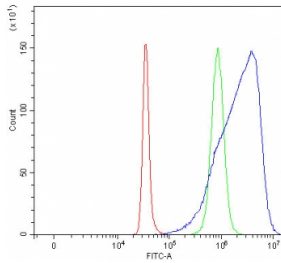
| | |
|---------------------------|---|
| Availability | 1-3 business days |
| Species Reactivity | Human, Mouse |
| Format | Antigen affinity purified |
| Host | Rabbit |
| Clonality | Polyclonal (rabbit origin) |
| Isotype | Rabbit IgG |
| Purity | Antigen affinity purified |
| Buffer | Lyophilized from 1X PBS with 2% Trehalose |
| UniProt | Q8WU76 |
| 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 SCFD2 antibody is available for research use only. |



Immunofluorescent staining of FFPE human HeLa cells with SCFD2 antibody (green) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.



Western blot testing of 1) human U-251, 2) human K562, 3) human PC-3 and 4) mouse kidney tissue lysate with SCFD2 antibody. Predicted molecular weight: 70-75 kDa (two isoforms).



Flow cytometry testing of fixed and permeabilized human SH-SY5Y cells with SCFD2 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SCFD2 antibody.

Description

SCFD2 (sec1 family domain containing 2), also known as STXBP1L1 (syntaxinbinding protein 1-like 1), is a 684 amino acid protein suggested to play a role in protein transport. Existing as two alternatively spliced isoforms, SCFD2 is a member of the STXBP/unc-18/SEC1 family and is encoded by a gene that maps to human chromosome 4q12. Chromosome 4 represents approximately 6% of the human genome and contains nearly 900 genes. Notably, the Huntingtin gene, which is found to encode an expanded glutamine tract in cases of Huntington's disease, is on chromosome 4. FGFR-3 is also encoded on chromosome 4 and has been associated with thanatophoric dwarfism, achondroplasia, Muenke syndrome and bladder cancer. Chromosome 4 is also tied to Ellis-van Creveld syndrome, methylmalonic acidemia and polycystic kidney disease

Application Notes

Optimal dilution of the SCFD2 antibody should be determined by the researcher.

Immunogen

E. coli-derived recombinant human protein (amino acids K20-H585) was used as the immunogen for the SCFD2 antibody.

Storage

After reconstitution, the SCFD2 antibody can be stored for up to one month at 4°C. For long-term, aliquot and store at -20°C. Avoid repeated freezing and thawing.