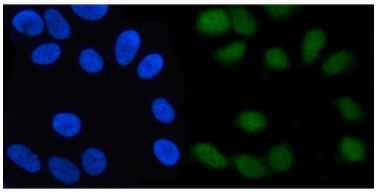
# SCFD2 Antibody / Sec1 family domain-containing protein 2 (RQ8250)

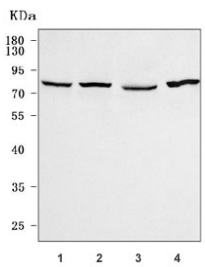
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ8250 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

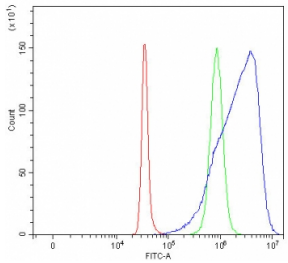
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse |
| **Format** | Antigen affinity purified |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Antigen affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | Q8WU76 |
| **Applications** | Western Blot : 0.5-1ug/ml<br>Immunofluorescence : 5ug/ml<br>Flow Cytometry : 1-3ug/million cells<br>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 Huntingtonï¿½s 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 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.