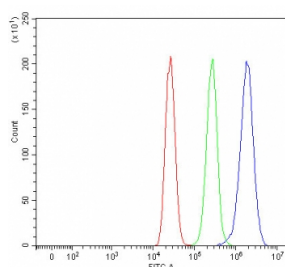


## Sorting nexin 9 Antibody / SNX9 / SH3PX1 (RQ7745)

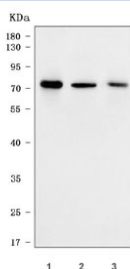
| Catalog No. | Formulation                                           | Size   |
|-------------|-------------------------------------------------------|--------|
| RQ7745      | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

|                           |                                                                                                  |
|---------------------------|--------------------------------------------------------------------------------------------------|
| <b>Availability</b>       | 1-3 business days                                                                                |
| <b>Species Reactivity</b> | Human                                                                                            |
| <b>Format</b>             | Antigen affinity purified                                                                        |
| <b>Clonality</b>          | Polyclonal (rabbit origin)                                                                       |
| <b>Isotype</b>            | Rabbit IgG                                                                                       |
| <b>Purity</b>             | Antigen affinity purified                                                                        |
| <b>Buffer</b>             | Lyophilized from 1X PBS with 2% Trehalose                                                        |
| <b>UniProt</b>            | Q9Y5X1                                                                                           |
| <b>Applications</b>       | Western Blot : 0.5-1ug/ml<br>Flow Cytometry : 1-3ug/million cells<br>Direct ELISA : 0.1-0.5ug/ml |
| <b>Limitations</b>        | This Sorting nexin 9 antibody is available for research use only.                                |



Flow cytometry testing of human MCF7 cells with Sorting nexin 9 antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= Sorting nexin 9 antibody.



Western blot testing of human 1) K562, 2) 293T and 3) placenta tissue lysate with Sorting nexin 9 antibody. Predicted molecular weight ~67 kDa, commonly observed at 67-78 kDa.

## Description

Sorting nexin-9 is a protein that in humans is encoded by the SNX9 gene. This gene encodes a member of the sorting nexin family. Members of this family contain a phosphoinositide binding domain, and are involved in intracellular trafficking. The encoded protein does not contain a coiled coil region, like some family members, but does contain a SRC homology domain near its N-terminus. The encoded protein is reported to have a variety of interaction partners, including of adaptor protein 2, dynamin, tyrosine kinase non-receptor 2, Wiskott-Aldrich syndrome-like, and ARP3 actin-related protein 3. The encoded protein is implicated in several stages of intracellular trafficking, including endocytosis, macropinocytosis, and F-actin nucleation.

## Application Notes

Optimal dilution of the Sorting nexin 9 antibody should be determined by the researcher.

## Immunogen

E. coli-derived recombinant human protein (amino acids F211-Q573) was used as the immunogen for the Sorting nexin 9 antibody.

## Storage

After reconstitution, the Sorting nexin 9 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.