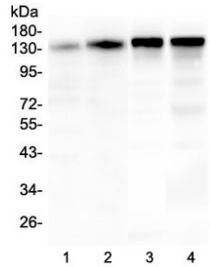
SRCIN1 Antibody (RQ4950)

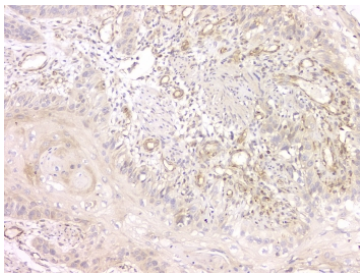
Catalog No.	Formulation	Size
RQ4950	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

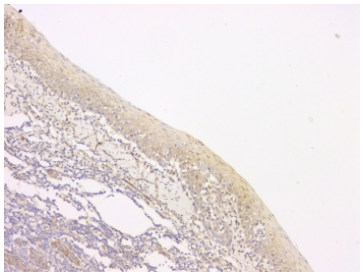
Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity purified
Buffer	Lyophilized from 1X PBS with 2% Trehalose and 0.025% sodium azide
UniProt	Q9C0H9
Localization	Cytoplasm, plasma membrane
Applications	Flow cytometry: 1-3ug/10^6 cells Western blot: 0.5-1ug/ml Immunohistochemistry (FFPE): 1-2ug/ml Direct ELISA: 0.1-0.5ug/ml
Limitations	This SRCIN1 antibody is available for research use only.



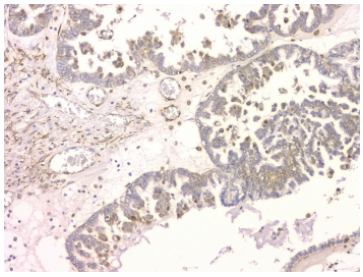
Western blot testing of 1) human T-47D, 2) human MDA-MB-453, 3) rat brain and 4) mouse brain lysate with SRCIN1 antibody at 0.5ug/ml. Expected molecular weight: 130-140 kDa.



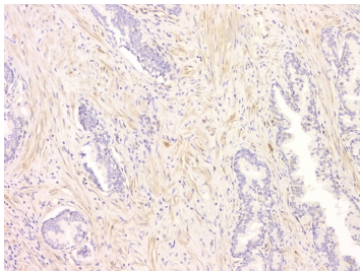
IHC staining of FFPE human esophageal squamous cancer with SRCIN1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



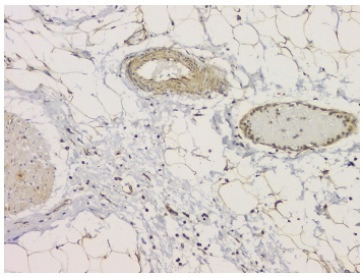
IHC staining of FFPE human tonsil with SRCIN1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



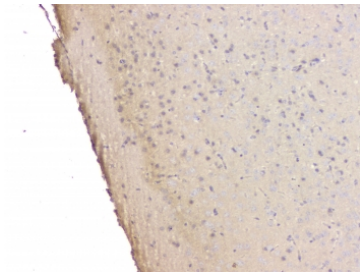
IHC staining of FFPE human ovarian cancer with SRCIN1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



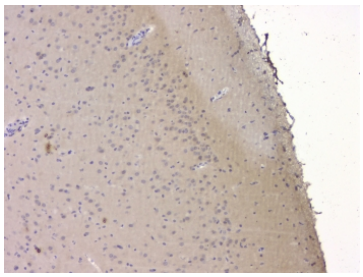
IHC staining of FFPE human ovarian cancer with SRCIN1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



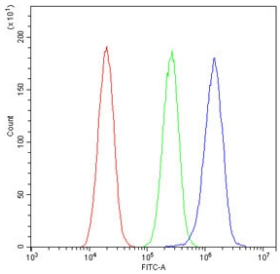
IHC staining of FFPE human appendicitis tissue with SRCIN1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



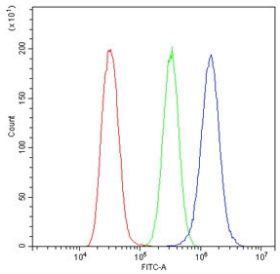
IHC staining of FFPE mouse brain with SRCIN1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



IHC staining of FFPE rat brain with SRCIN1 antibody at 1ug/ml. HIER: boil tissue sections in pH6, 10mM citrate buffer, for 10-20 min and allow to cool before testing.



Flow cytometry testing of human A549 cells with SRCIN1 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SRCIN1 antibody.



Flow cytometry testing of human U-2 OS cells with SRCIN1 antibody at 1ug/10^6 cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= SRCIN1 antibody.

Description

Using yeast 2-hybrid analysis, protein pull-down assays, and mutation analysis, it is showed that the first coiled-coil domain of rat Snip interacted with the N-terminal t-SNARE domain of Snap25 (600322). Biochemical studies demonstrated that Snip was tightly associated with rat brain cytoskeleton. Indirect immunofluorescence and confocal microscopy of rat PC12 pheochromocytoma cells revealed colocalization of Snip with Snap25 in the actin cytoskeleton, particularly in filopodia, lamellipodia, and neuritic extensions, including the tips. Overexpression of Snip or its Snap25-interacting domain inhibited calcium-dependent exocytosis from PC12 cells. It is concluded that SNIP is involved in regulation of neurosecretion, perhaps via its interaction with SNAP25 and the cytoskeleton.

Application Notes

Optimal dilution of the SRCIN1 antibody should be determined by the researcher.

Immunogen

Amino acids E189-E287 from the human protein were used as the immunogen for the SRCIN1 antibody.

Storage

After reconstitution, the SRCIN1 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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