

For Research Use Only

SNX27 Monoclonal antibody, PBS Only



Catalog Number: 68386-1-PBS

Basic Information

| | | |
|--|---|---|
| Catalog Number: 68386-1-PBS | GenBank Accession Number: BC012184 | Purification Method: Protein G purification |
| Size: 1 mg/ml | GeneID (NCBI): 81609 | CloneNo.: 2C4G5 |
| Source: Mouse | UNIPROT ID: Q96L92 | |
| Isotype: IgG1 | Full Name: sorting nexin family member 27 | |
| Immunogen Catalog Number: AG9447 | Calculated MW: 61 kDa, 60 kDa, 52 kDa, 28 kDa | |
| | Observed MW: 61 kDa | |

Applications

Tested Applications:
WB, Indirect ELISA, IF

Species Specificity:
Human, mouse, rat

Background Information

Sorting nexin 27 (SNX27), a PDZ domain-containing protein, belongs to the sorting nexin family of proteins. SNX27 promotes the recycling of internalized transmembrane proteins from endosomes to the plasma membrane by linking PDZ-dependent cargo recognition to retromer-mediated transport (PMID: 21602791; 23563491). It has been shown that SNX27 deficiency contributes to synaptic and cognitive deficits by modulating glutamate receptor recycling in Down's syndrome (PMID: 23524343). SNX27 has also been proposed to have a role in regulating β -amyloid (A β) generation by modulating γ -secretase activity, which is a molecular mechanism for A β -dependent pathogenesis in both Down's syndrome and Down's syndrome (PMID: 25437557).

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

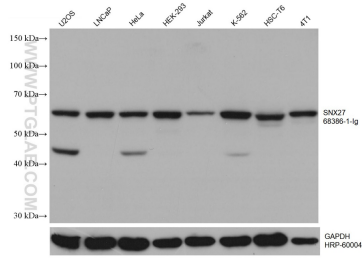
T: 4006900926

E: Proteintech-CN@ptglab.com

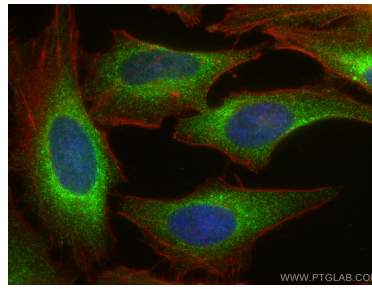
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68386-1-Ig (SNX27 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control. This data was developed using the same antibody clone with 68386-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (4% PFA) fixed HeLa cells using SNX27 antibody (68386-1-Ig, Clone: 2C4G5) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L), CL594-Phalloidin (red). This data was developed using the same antibody clone with 68386-1-PBS in a different storage buffer formulation.