For Research Use Only

SNX9 Polyclonal antibody

Catalog Number:15721-1-AP Featured Product 14 Publications

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Basic Information

Catalog Number:
15721-1-AP

Size:
600 μg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG8440

GenBank Accession Number:
BC005022

GeneID (NCBI):
51429

UNIPROT ID:
Q9Y5X1

Full Name:
sorting nexin 9

Calculated MW:
595 aa, 67 kDa

Observed MW:
78 kDa

Purification Method:
Antigen affinity purification

Recommended Dilutions:
WB 1:1000-1:8000
IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate
IF/ICC 1:50-1:500

Applications

Tested Applications:
WB, IF/ICC, IP, ELISA

Cited Applications:
WB, IHC, IF

Species Specificity:
human, mouse, rat

Cited Species:
human, mouse, monkey

Positive Controls:

WB : HeLa cells, rat heart tissue, human heart tissue, mouse skeletal muscle tissue, mouse heart tissue

IP : mouse heart tissue,

IF/ICC : HeLa cells,

Background Information

Sorting nexins are a diverse group of cytoplasmic and membrane-associated proteins that are classified by the presence of a phospholipid-binding motif-the PX domain (PMID:12461558). They are involved in endocytosis and protein trafficking. SNX9 (Sorting nexin-9, also known as SH3PX1) was originally identified as a protein that interacted with the metalloproteinases ADAM9 and ADAM15. It contains a PX and an Sec homology 3 (SH3) domain. SNX9 functions in clathrin-mediated endocytosis and clathrin-independent, actin-dependent fluid-phase endocytosis (PMID: 17609109). On SDS-PAGE, SNX9 migrates at a molecular weight (70-78 kDa) higher than its calculated molecular mass of 67 kDa (PMID: 15299020; 12952949; 18411244; 15703209).

Notable Publications

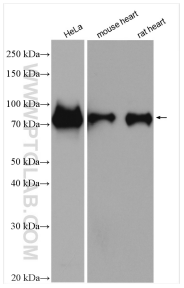
Author	Pubmed ID	Journal	Application
Chengcheng Liu	27655699	Oncotarget	WB
Kiran Todkar	33785738	Nat Commun	WB
Christina G Towers	34171288	Dev Cell	WB

Storage

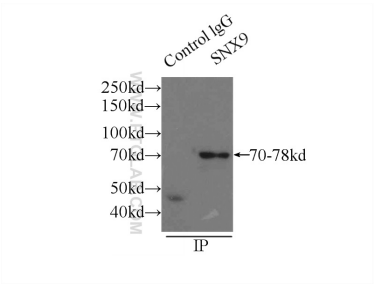
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

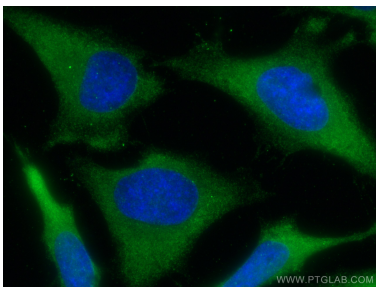
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 15721-1-AP (SNX9 antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



IP result of anti-SNX9 (IP:15721-1-AP, 3ug; Detection:15721-1-AP 1:1000) with mouse heart tissue lysate 9500ug.



Immunofluorescent analysis of (-20°C Methanol) fixed HeLa cells using SNX9 antibody (15721-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).