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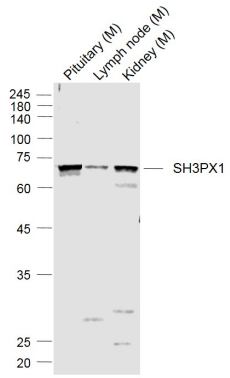
SH3PX1 Rabbit pAb

Catalog Number:	bs-12407R
Target Protein:	SH3PX1
Concentration:	1mg/ml
Form:	Liquid
Host:	Rabbit
Clonality:	Polyclonal
Isotype:	IgG
Applications:	WB (1:500-2000)
Reactivity:	Mouse (predicted:Human, Rat, Pig, Cow, Dog, Horse)
Predicted MW:	67 kDa
Entrez Gene:	51429
Swiss Prot:	Q9Y5X1
Source:	KLH conjugated synthetic peptide derived from human SNX5: 501-595/595.
Purification:	affinity purified by Protein A
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	Sorting nexin (SNX) proteins are members of a large family of hydrophilic PX (phospholipid-binding motif) domain-containing proteins that interact with a variety of receptor types. SNXs are widely expressed, although the tissue distribution of each SNX mRNA varies. The ability of SNXs to bind specific phospholipids, as well as their tendency to form protein-protein complexes, suggests a role for these proteins in cellular membrane trafficking and protein sorting. SNXs may also function specifically in pro-degradative sorting, internalization, endosomal recycling or simply in endosomal sorting. SNXs partially associate with cellular membranes, despite their hydrophilic nature. SNX9 resides in the cytosol where it influences the processing and trafficking of insulin receptors. The enzyme aldolase binds to and inactivates SNX9. Phosphorylation of SNX9 releases aldolase and frees SNX9 to recruit and activate Dynamin II, a neuronal phosphoprotein and a GTPase enzyme which mediates late stages of endocytosis in both neural and non-neural cells.

VALIDATION IMAGES

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.



Sample: Pituitary (Mouse) Lysate at 40 ug Lymph node (Mouse) Lysate at 40 ug Kidney (Mouse) Lysate at 40 ug Primary: Anti-SH3PX1 (bs-12407R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 67 kD Observed band size: 67 kD

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