

anti- SNX5 antibody

Product Information

Catalog No.:	FNab08094
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Background

Involved in several stages of intracellular trafficking. Interacts with membranes containing phosphatidylinositol 3-phosphate(PtdIns(3P)) or phosphatidylinositol 3,4-bisphosphate(PtdIns(3,4)P2)(PubMed:15561769). Acts in part as component of the retromer membrane-deforming SNX-BAR subcomplex. The SNX-BAR retromer mediates retrograde transport of cargo proteins from endosomes to the trans-Golgi network(TGN) and is involved in endosome-to-plasma membrane transport for cargo protein recycling. The SNX-BAR subcomplex functions to deform the donor membrane into a tubular profile called endosome-to-TGN transport carrier(ETC)(Probable). Does not have in vitro vesicle-to-membrane remodeling activity(PubMed:23085988). Involved in retrograde transport of lysosomal enzyme receptor IGF2R(PubMed:17148574, PubMed:18596235). May function as link between endosomal transport vesicles and dynactin(Probable). Plays a role in the internalization of EGFR after EGF stimulation(Probable). Involved in EGFR endosomal sorting and degradation; the function involves PIP5K1C isoform 3 and is retromer-independent(PubMed:23602387). Together with PIP5K1C isoform 3 facilitates HGS interaction with ubiquitinated EGFR, which initiates EGFR sorting to intraluminal vesicles(ILVs) of the multivesicular body for subsequent lysosomal degradation(Probable). Involved in E-cadherin sorting and degradation; inhibits PIP5K1C isoform 3-mediated E-cadherin degradation(PubMed:24610942). Plays a role in macropinocytosis(PubMed:18854019, PubMed:21048941).

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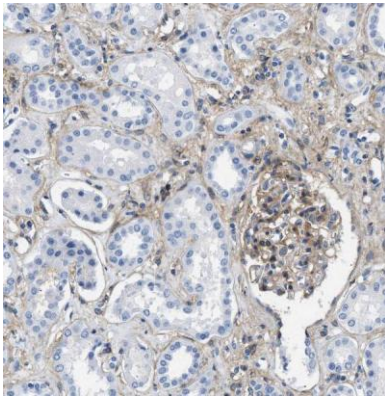
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Immunogen information

Immunogen: sorting nexin 5
Synonyms: None
Observed MW: 47 kDa
UniprotID : Q9Y5X3

Application

Reactivity: Human, Mouse, Rat
Tested Application: ELISA, WB, IHC, IP
Recommended dilution: WB: 1:500-1:2000; IP: 1:200-1:1000; IHC: 1:20-1:200
Image:



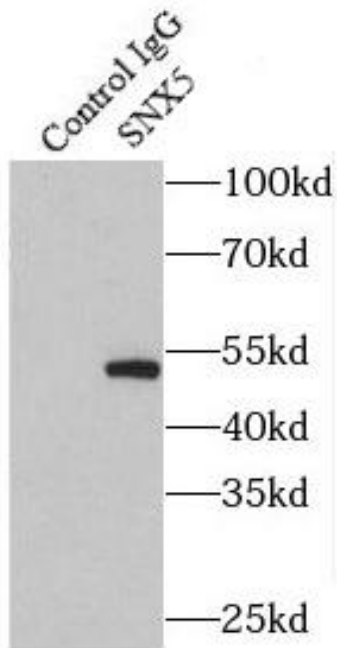
Immunohistochemistry of paraffin-embedded human kidney using FNab08094(SNX5 antibody) at dilution of 1:100

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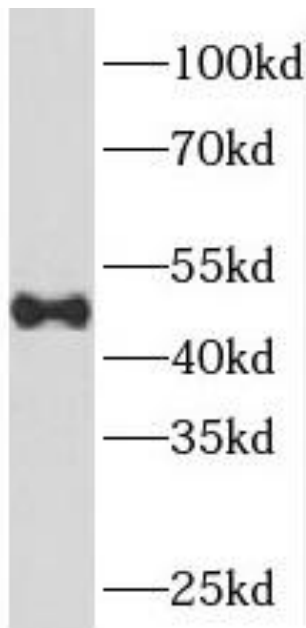
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IP Result of anti-SNX5 (IP:FNab08094, 4ug;
Detection:FNab08094 1:500) with mouse kidney
tissue lysate 4000ug.



Jurkat cells were subjected to SDS PAGE followed
by western blot with FNab08094(SNX5 antibody)
at dilution of 1:500