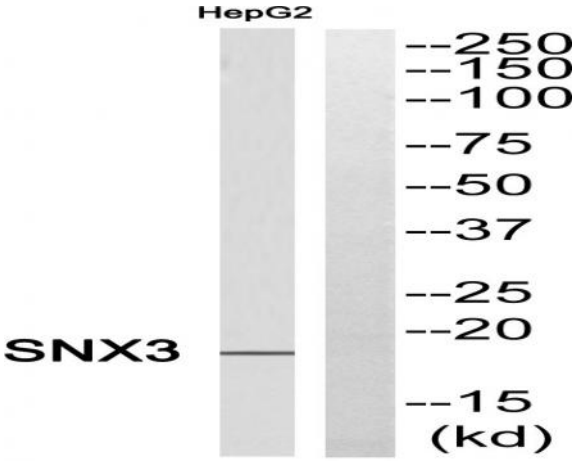
Best Tools for immunology Research

SNX3 Polyclonal Antibody

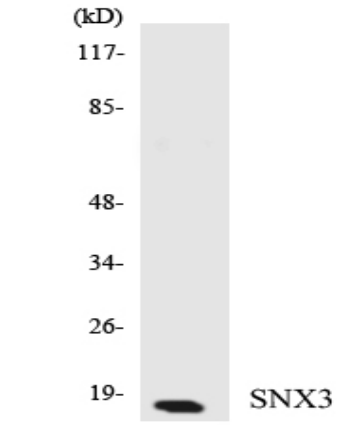
Catalog No :	YT4359
Reactivity :	Human;Mouse;Rat
Applications :	WB;ELISA;IHC
Target :	SNX3
Fields :	>>Endocytosis
Gene Name :	SNX3
Protein Name :	Sorting nexin-3
Human Gene Id :	8724
Human Swiss Prot No :	O60493
Mouse Swiss Prot No :	O70492
Rat Gene Id :	684097
Rat Swiss Prot No :	Q5U211
Immunogen :	The antiserum was produced against synthesized peptide derived from human SNX3. AA range:91-140
Specificity :	SNX3 Polyclonal Antibody detects endogenous levels of SNX3 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000;IHC 1:50-300; ELISA 2000-20000
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	18kD
Background :	This gene encodes a member of the sorting nexin family. Members of this family contain a phox (PX) domain, which is a phosphoinositide binding domain, and are involved in intracellular trafficking. This protein does not contain a coiled coil region, like most family members. This protein interacts with phosphatidylinositol-3-phosphate, and is involved in protein trafficking. A pseudogene of this gene is present on the sex chromosomes. Alternative splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2014],
Function :	disease:A chromosomal aberration disrupting SNX3 may be a cause of microphthalmia syndromic type 8 (MCOPS8) [MIM:601349]. Translocation t(6;13)(q21;q12). Microphthalmia is a clinically heterogeneous disorder of eye formation, ranging from small size of a single eye to complete bilateral absence of ocular tissues (anophthalmia). In many cases, microphthalmia/anophthalmia occurs in association with syndromes that include non-ocular abnormalities. MCOPS8 is a very rare congenital syndrome characterized by microcephaly, microphthalmia, ectrodactyly of the lower limbs and prognathism. Intellectual deficit has been reported.,function:May be involved in several stages of intracellular trafficking.,similarity:Belongs to the sorting nexin family.,similarity:Contains 1 PX (phox homology) domain.,
Subcellular Location :	Early endosome . Cytoplasmic vesicle, phagosome . Colocalizes to clathrin-coated endosomal vesicles morphologically distinct from retromer-decorated non-branched endosomal tubule structures (PubMed:21725319) Colocalizes with EEA1 on nascent phagosomes in dendritic cells but competes with EEA1 for binding to phagosomal membrane (PubMed:23237080). In the case of Salmonella enterica infection localizes to Salmonella-containing vacuoles (SCVs) from which SNX3-containing tubules form 30-60 min after infection (PubMed:20482551). .
Expression :	Brain,Colon,Epithelium,Pancreas,Platelet,Skin,
Sort :	16480
No4 :	1
Host :	Rabbit
Modifications :	Unmodified

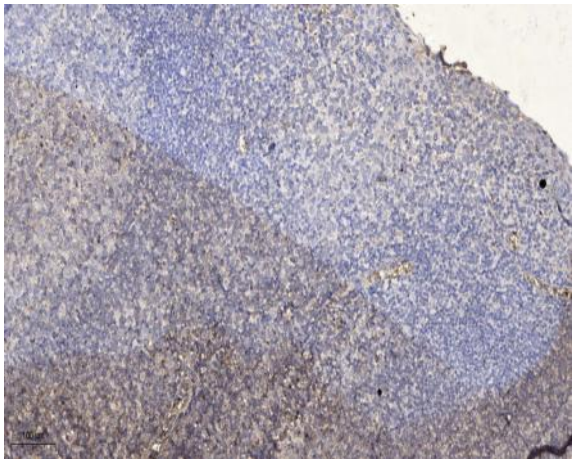
Products Images



Western blot analysis of SNX3 Antibody. The lane on the right is blocked with the SNX3 peptide.



Western blot analysis of the lysates from HUVECcells using SNX3 antibody.



Immunohistochemical analysis of paraffin-embedded human tonsil. 1, Antibody was diluted at 1:200(4° overnight). 2, Tris-EDTA,pH9.0 was used for antigen retrieval. 3,Secondary antibody was diluted at 1:200(room temperature, 45min).