

## SNX3 Polyclonal Antibody

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

**Concentration :** 1 mg/ml

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**Storage Stability :** -15°C to -25°C/1 year(Do not lower than -25°C)

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**Observed Band :** 18kD

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**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],

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**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.,

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**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). .

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**Expression :** Brain,Colon,Epithelium,Pancreas,Platelet,Skin,

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**Sort :** 16480

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**No4 :** 1

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**Host :** Rabbit

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**Modifications :** Unmodified

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## Products Images

