

# SNX12 Polyclonal antibody

Catalog Number: 12374-1-AP

## Basic Information

**Catalog Number:**

12374-1-AP

**Size:**

500 µg/ml

**Source:**

Rabbit

**Isotype:**

IgG

**Immunogen Catalog Number:**

AG3014

**GenBank Accession Number:**

BC020559

**GeneID (NCBI):**

29934

**UNIPROT ID:**

Q9UMY4

**Full Name:**

sorting nexin 12

**Calculated MW:**

172 aa, 20 kDa

**Observed MW:**

18 kDa

**Purification Method:**

Antigen affinity purification

**Recommended Dilutions:**

WB 1:1000-1:6000

IF/ICC 1:50-1:500

## Applications

**Tested Applications:**

WB, IF/ICC, ELISA

**Species Specificity:**

human, mouse, rat

**Positive Controls:**

WB : mouse brain tissue, rat brain tissue

IF/ICC : HeLa cells,

## Background Information

SNXs (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). SNXs are involved in endocytosis and protein trafficking. SNX12 (Sorting nexin 12) is localized in early endosomes and SNX12 overexpression specifically prevents the degradative pathway from early to late endosomes/Lysosomes (PMID: 22719997). SNX12 may participate in Alzheimer's disease (AD) pathology by regulating the endocytosis of BACE1 and affecting  $\beta$ -processing of APP (PMID: 22709416).

## 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

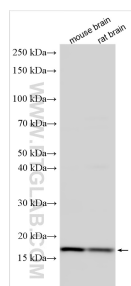
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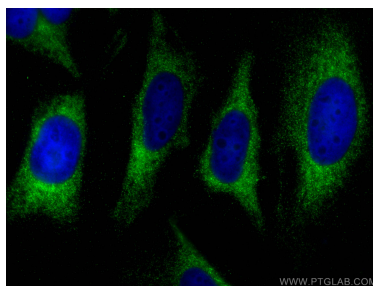
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 12374-1-AP (SNX12 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using SNX12 antibody (12374-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).