

## Anti-VPS54 Antibody

Rabbit polyclonal antibody to VPS54 Catalog # AP60827

### Specification

## Anti-VPS54 Antibody - Product Information

Application Primary Accession Reactivity Host Clonality Calculated MW WB <u>O9P1O0</u> Human, Mouse, Rat Rabbit Polyclonal 110589

## Anti-VPS54 Antibody - Additional Information

Gene ID 51542

**Other Names** HCC8; Vacuolar protein sorting-associated protein 54; Hepatocellular carcinoma protein 8; Tumor antigen HOM-HCC-8; Tumor antigen SLP-8p

**Target/Specificity** Recognizes endogenous levels of VPS54 protein.

Dilution WB~~WB (1/500 - 1/2000), IH (1/50 - 1/200)

**Format** Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage Store at -20 °C.Stable for 12 months from date of receipt

### Anti-VPS54 Antibody - Protein Information

Name VPS54

Synonyms HCC8

#### Function

Acts as a component of the GARP complex that is involved in retrograde transport from early and late endosomes to the trans-Golgi network (TGN). The GARP complex is required for the maintenance of the cycling of mannose 6-phosphate receptors between the TGN and endosomes, this cycling is necessary for proper lysosomal sorting of acid hydrolases such as CTSD (PubMed:<a href="http://www.uniprot.org/citations/18367545" target="\_blank">18367545</a>). Within the GARP complex, required to tether the complex to the TGN. Not involved in endocytic recycling (PubMed:<a href="http://www.uniprot.org/citations/25799061" target="\_blank">25799061</a>).



## **Cellular Location**

Golgi apparatus, trans-Golgi network. Membrane {ECO:0000250|UniProtKB:Q9JMK8}. Note=Associates with membranes in an EIPR1-independent manner. {ECO:0000250|UniProtKB:Q9JMK8}

## Anti-VPS54 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>

## Anti-VPS54 Antibody - Images



Western blot analysis of VPS54 expression in mouse testis (A), rat testis (B), HEK293T (C) whole cell lysates.



Immunohistochemical analysis of VPS54 staining in human breast cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room



temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

# Anti-VPS54 Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the center region of human VPS54. The exact sequence is proprietary.