

Anti-VPS54 Antibody
Rabbit polyclonal antibody to VPS54
Catalog # AP60827**Specification**

Anti-VPS54 Antibody - Product Information

Application	WB, IH
Primary Accession	O9P1Q0
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Calculated MW	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)

IH~~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:18367545). Within the GARP complex, required to tether the complex to the TGN. Not involved in endocytic recycling

(PubMed: 25799061).

Cellular Location

Golgi apparatus, trans-Golgi network. Membrane {ECO:0000250|UniProtKB:Q9JMK8}.

Note=Associates with membranes in an EIPR1-independent manner.

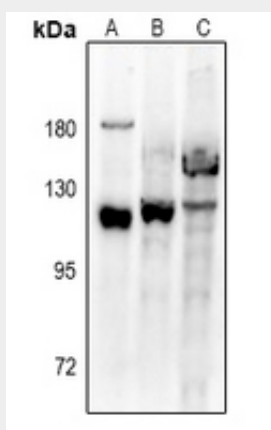
{ECO:0000250|UniProtKB:Q9JMK8}

Anti-VPS54 Antibody - Protocols

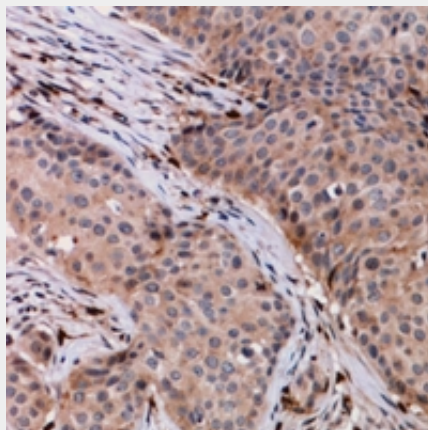
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

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.