

VPS54 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP12936c**Specification**

VPS54 Antibody (Center) - Product Information

Application	WB, IHC-P,E
Primary Accession	O9P1Q0
Other Accession	O9JMK8 , NP_001005739.1
Reactivity	Mouse
Predicted	Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	465-491

VPS54 Antibody (Center) - Additional Information**Gene ID** 51542**Other Names**

Vacuolar protein sorting-associated protein 54, Hepatocellular carcinoma protein 8, Tumor antigen HOM-HCC-8, Tumor antigen SLP-8p, VPS54, HCC8

Target/Specificity

This VPS54 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 465-491 amino acids from the Central region of human VPS54.

Dilution

WB~~1:1000
IHC-P~~1:10~50

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

VPS54 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

VPS54 Antibody (Center) - 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.

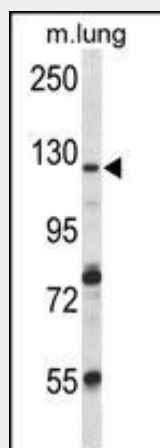
{ECO:0000250|UniProtKB:Q9JMK8}

VPS54 Antibody (Center) - Protocols

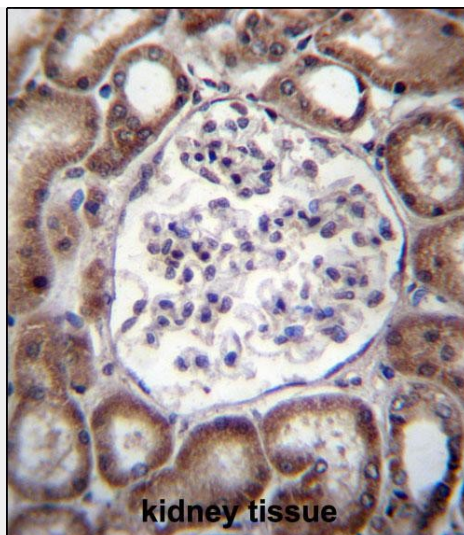
Provided below are standard protocols that you may find useful for product applications.

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

VPS54 Antibody (Center) - Images



VPS54 Antibody (Center) (Cat. #AP12936c) western blot analysis in mouse lung tissue lysates (35ug/lane). This demonstrates the VPS54 antibody detected the VPS54 protein (arrow).



kidney tissue

VPS54 Antibody (Center) (Cat. #AP12936c) immunohistochemistry analysis in formalin fixed and paraffin embedded human kidney tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of VPS54 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.

VPS54 Antibody (Center) - Background

This gene encodes for a protein that in yeast forms part of a trimeric vacuolar-protein-sorting complex that is required for retrograde transport of proteins from prevacuoles to the late Golgi compartment. As in yeast, mammalian Vps54 proteins contain a coiled-coil region and dileucine motifs. Alternative splicing results in multiple transcript variants encoding different isoforms

VPS54 Antibody (Center) - References

Perez-Victoria, F.J., et al. Proc. Natl. Acad. Sci. U.S.A. 107(29):12860-12865(2010)
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Perez-Victoria, F.J., et al. Mol. Cell. Biol. 29(19):5251-5263(2009)
Meisler, M.H., et al. Amyotroph Lateral Scler 9(3):141-148(2008)
Perez-Victoria, F.J., et al. Mol. Biol. Cell 19(6):2350-2362(2008)