A7096SP

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VPS4A Rabbit pAb

Catalog No.: A7096SP 1 Publications

Basic Information

Observed MW
48-55 kDa

Calculated MW
49 kDa

Category
Polyclonal Antibody

Applications
WB,IHC-P,ELISA,DB,IF-P

Cross-Reactivity
Human,Mouse,Rat

Background

The protein encoded by this gene is a member of the AAA protein family (ATPases associated with diverse cellular activities), and is the homolog of the yeast Vps4 protein. In humans, two paralogs of the yeast protein have been identified. The former share a high degree of aa sequence similarity with each other, and also with yeast Vps4 and mouse Skd1 proteins. The mouse Skd1 (suppressor of K+ transport defect 1) has been shown to be really an yeast Vps4 ortholog. Functional studies indicate that both human paralogs associate with the endosomal compartments, and are involved in intracellular protein trafficking, similar to Vps4 protein in yeast. The gene encoding this paralog has been mapped to chromosome 16; the gene for the other resides on chromosome 18.

Recommended Dilutions

WB	1:2000 - 1:10000
IF-P	1:200 - 1:600
IHC-P	1:1000 - 1:2000
DB	1:8000 - 1:16000
ELISA	Recommended starting concentration is 1 μg/mL. Please optimize the concentration based on your specific assay requirements.For high-ratio antibody dilutions (≥1:10000) , a sequential dilution method is strongly recommended to ensure measurement accuracy.

Immunogen Information

Gene ID
27183

Swiss Prot
Q9UN37

Immunogen
Synthetic peptide. This information is considered to be commercially sensitive.

Synonyms
SKD1; SKD2; VPS4; SKD1A; CIMDAG; VPS4-1

Product Information

Source
Rabbit

Isotype
IgG

Purification
Affinity purification

Storage
Store at -20℃. Avoid freeze / thaw cycles.
Buffer: PBS, pH 7.3, containing 50% glycerol. Preserved with Proclin300 or sodium azide. May contain 0.05% BSA as specified on the Certificate of Analysis.

Contact

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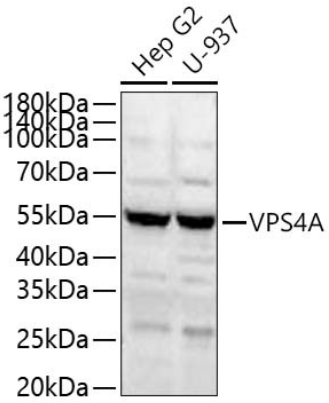
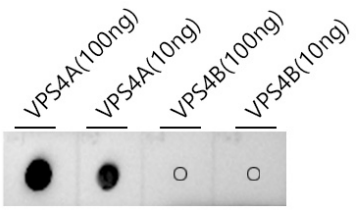
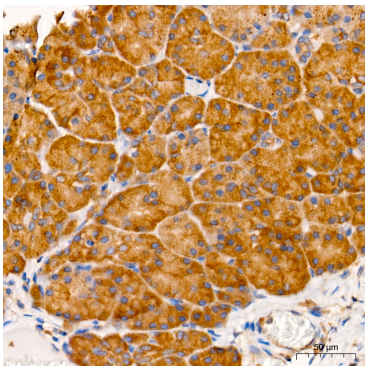
Validation Data



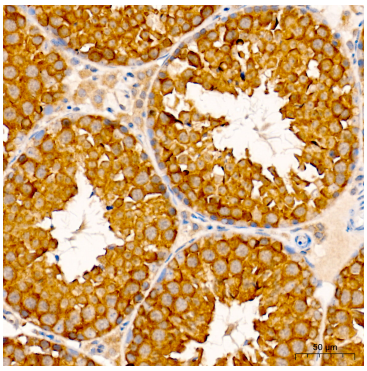
Western blot analysis of various lysates using VPS4A Rabbit pAb (A7096SP) at 1:8000 dilution incubated overnight at 4℃.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution.
Lysates/proteins: 25 µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Basic Kit (RM00020).
Exposure time: 45 s.



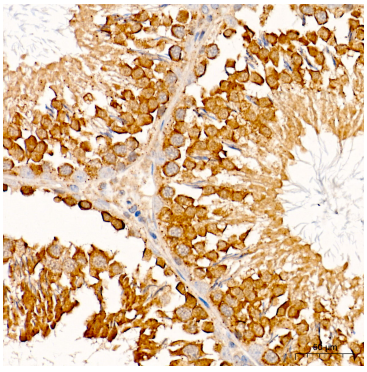
Dot-blot analysis of all sorts of peptides using VPS4A Rabbit pAb (A7096SP) at 1:8000 dilution.



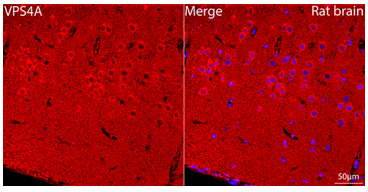
Immunohistochemistry analysis of paraffin-embedded Human pancreas tissue using VPS4A Rabbit pAb (A7096SP) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Mouse testis tissue using VPS4A Rabbit pAb (A7096SP) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Immunohistochemistry analysis of paraffin-embedded Rat testis tissue using VPS4A Rabbit pAb (A7096SP) at a dilution of 1:1000 (40x lens). High pressure antigen retrieval performed with 0.01M Tris-EDTA Buffer (pH 9.0) prior to IHC staining.



Confocal imaging of paraffin-embedded Rat brain tissue using VPS4A Rabbit pAb (A7096SP, dilution 1:200) followed by a further incubation with Cy3-conjugated Goat anti-Rabbit IgG (H+L) (AS007, dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Microwave antigen retrieval performed with 0.01M Citrate Buffer

(pH 6.0) prior to IF staining.
Objective: 40x.

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