

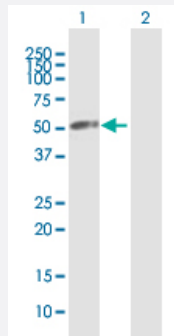
MaxPab®

# VPS4A purified MaxPab mouse polyclonal antibody (B01P)

Catalog # H00027183-B01P

Size 50 ug

## Applications



### Western Blot (Transfected lysate)

Western Blot analysis of VPS4A expression in transfected 293T cell line ([H00027183-T01](#)) by VPS4A MaxPab polyclonal antibody.

Lane 1: VPS4A transfected lysate(48.07 KDa).

Lane 2: Non-transfected lysate.

## Specification

Product Description	Mouse polyclonal antibody raised against a full-length human VPS4A protein.
Immunogen	VPS4A (NP_037377.1, 1 a.a. ~ 437 a.a) full-length human protein.
Sequence	MTTSTLQKAIDLVTKATEEDKAKNYEEALRLYQHAYEYFLHAIKYEAHSDKAKESIRAKCVQYLDRA EKLKDYLRSEKHEGKKPVKENQSEGKGSDDSDSEGDNPEKKKLQEQLMGAVVMEKPNIRWNDV AGLEGAKKEALKEAVILPIKFPHLFTGKRTPWRGILLFGPPGTGKSYLAKAVATEANNSTFFSVSSS DLMSKWLGESEKLVKNLFELARQHKPSIIFIDEVDSLCSGRNENESEAARRIKTEFLVQMGGVGN NNDGTLVLGATNIPWVLDSAIRRRFEKRIYPLPEEAARAQMFRHLHGSTPHNLTDANIELARKTEG YSGADISIVRDSLMLQPVVRKVQSATHFKKVCGPSRTNPSMMIDLLTPCSPGDPGAMEMTWMDV PGDKLLEPVVCMDSMLRSLATTRPTVNADDLLKVKKFSEDFGQES
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (99); Rat (99)
Quality Control Testing	Antibody reactive against mammalian transfected lysate.
Storage Buffer	In 1x PBS, pH 7.4

## Storage Instruction

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

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[Protocol Download](#)

## Gene Info — VPS4A

Entrez GeneID [27183](#)

GeneBank Accession# [NM\\_013245.2](#)

Protein Accession# [NP\\_037377.1](#)

Gene Name VPS4A

Gene Alias FLJ22197, SKD1, SKD2, VPS4, VPS4-1

Gene Description vacuolar protein sorting 4 homolog A (S. cerevisiae)

Omim ID [609982](#)

Gene Ontology [Hyperlink](#)

**Gene Summary** 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<sup>+</sup> 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. [provided by RefSeq]

**Other Designations** SKD1-homolog|vacuolar protein sorting factor 4A|vacuolar sorting protein 4

## Pathway

- [Endocytosis](#)