

[Go to Product page](#)

## Datasheet for ABIN7120704 **anti-VPS18 antibody**

### Overview

Quantity:	100 µg
Target:	VPS18
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VPS18 antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC), Immunoprecipitation (IP), Flow Cytometry (FACS), Immunofluorescence (IF)

### Product Details

Immunogen:	vacuolar protein sorting 18 homolog
Isotype:	IgG
Purification:	Immunogen affinity purified
Purity:	≥95 % as determined by SDS-PAGE

### Target Details

Target:	VPS18
Alternative Name:	VPS18 ( <a href="#">VPS18 Products</a> )
Background:	Synonyms:HVPS18, KIAA1475, PEP3, VPS18 Background:Plays a role in vesicle-mediated protein trafficking to lysosomal compartments including the endocytic membrane transport and autophagic pathways. Believed to act as a core component of the putative HOPS and

## Target Details

CORVET endosomal tethering complexes which are proposed to be involved in the Rab5-to-Rab7 endosome conversion probably implicating MON1A/B, and via binding SNAREs and SNARE complexes to mediate tethering and docking events during SNARE-mediated membrane fusion. The HOPS complex is proposed to be recruited to Rab7 on the late endosomal membrane and to regulate late endocytic, phagocytic and autophagic traffic towards lysosomes. The CORVET complex is proposed to function as a Rab5 effector to mediate early endosome fusion probably in specific endosome subpopulations(PubMed:11382755, PubMed:23351085, PubMed:24554770, PubMed:25783203). Required for fusion of endosomes and autophagosomes with lysosomes(PubMed:25783203). Involved in dendrite development of Pukinje cells(By similarity).

Molecular Weight: 110 kDa

Gene ID: 57617

UniProt: [Q9P253](#)

Pathways: [Asymmetric Protein Localization](#)

## Application Details

Application Notes: WB: 1:200-1:1000, IHC: 1:50-1:500, IP: 1:200-1:1000, IF: 1:20-1:200

Restrictions: For Research Use only

## Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: -20 °C

Storage Comment: -20°C for 12 months (Avoid repeated freeze / thaw cycles.)

Expiry Date: 12 months