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Datasheet for ABIN6945348

**anti-VPS45 antibody (AA 401-500) (Alexa Fluor 647)**

## Overview

Quantity:	100 µL
Target:	VPS45
Binding Specificity:	AA 401-500
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VPS45 antibody is conjugated to Alexa Fluor 647
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

## Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human VPS45A
Isotype:	IgG
Cross-Reactivity:	Mouse
Predicted Reactivity:	Human,Rat,Dog,Cow,Sheep,Pig,Horse
Purification:	Purified by Protein A.

## Target Details

Target:	VPS45
Alternative Name:	VPS45A ( <a href="#">VPS45 Products</a> )

## Target Details

Background: Synonyms: h-VPS45, H1, H1VPS45, HGNC:14579, hVps45, Leucocyte vacuolar protein sorting 45, OTTHUMP00000014482, Vacuolar protein sorting 45 homolog (S. cerevisiae), Vacuolar protein sorting 45A (yeast homolog), Vacuolar protein sorting 45A, Vacuolar protein sorting 45B (yeast), Vacuolar protein sorting-associated protein 45, VPS45, VPS45\_HUMAN, VPS45A, VPS45B, VPS54A, VSP45, VSP45A.

Background: Vesicle mediated protein sorting plays an important role in segregation of intracellular molecules into distinct organelles. Genetic studies in yeast have identified more than 40 vacuolar protein sorting (VPS) genes involved in vesicle transport to vacuoles. This gene is a member of the Sec1 domain family, and shows a high degree of sequence similarity to mouse, rat and yeast Vps45. The exact function of this gene is not known, but its high expression in peripheral blood mononuclear cells suggests a role in trafficking proteins, including inflammatory mediators. Multiple alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2013]

Gene ID: 11311

UniProt: [Q9NRW7](#)

Pathways: [Transition Metal Ion Homeostasis](#), [Synaptic Vesicle Exocytosis](#)

## Application Details

Application Notes: IF(IHC-P) 1:50-200  
IF(IHC-F) 1:50-200  
IF(ICC) 1:50-200

Restrictions: For Research Use only

## Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS ( pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

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

Storage: -20 °C

## Handling

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Storage Comment:	Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.
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Expiry Date:	12 months
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