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## Datasheet for ABIN6945342 anti-VPS45 antibody (AA 401-500)



Overview

Quantity:	100 μL
Target:	VPS45
Binding Specificity:	AA 401-500
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This VPS45 antibody is un-conjugated
Application:	Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunocytochemistry (ICC)

## Product Details

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

Target:

VPS45

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Target Details		
Alternative Name:	VPS45A (VPS45 Products)	
Background:	Synonyms: h-VPS45, H1, H1VPS45, HGNC:14579, hlVps45, 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 45E	
	(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:	IHC-P 1:200-400	
	IHC-F 1:100-500	
	IF(IHC-P) 1:50-200	
	IF(IHC-F) 1:50-200	
	IF(ICC) 1:50-200	
	ICC 1:100-500	
Restrictions:	For Research Use only	
Handling		
Format:	Liquid	
Concentration:	1 μg/μL	
Buffer:	0.01M TBS( pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.	
Preservative:	ProClin	

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Handling		
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.	
Storage:	4 °C,-20 °C	
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.	
Expiry Date:	12 months	

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