

## VPS36 Conjugated Antibody

Catalog No: #C43983



Package Size: #C43983-AF350 100ul #C43983-AF405 100ul #C43983-AF488 100ul  
 #C43983-AF555 100ul #C43983-AF594 100ul #C43983-AF647 100ul  
 #C43983-AF680 100ul #C43983-AF750 100ul #C43983-Biotin 100ul

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## Description

Product Name	VPS36 Conjugated Antibody
Host Species	Rabbit
Clonality	Polyclonal
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total VPS36 protein.
Immunogen Description	Synthetic peptide of human VPS36
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	EAP45;C13orf9;CGI-145
Accession No.	Swiss-Prot#:Q86VN1NCBI Gene ID:51028NCBI mRNA#:NCBI Protein#:NP_057159
Uniprot	Q86VN1
GeneID	51028;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	44
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

## Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1: 50 - 1: 1,000

## Background

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Vacuolar sorting proteins (VPSs) are required for trafficking normal endocytic and biosynthetic proteins to the vacuole and also play an important role in the budding process of cells. The ESCRT-II (endosomal sorting complex required for transport II) complex, which is involved in endocytosis of ubiquitinated membrane proteins, is formed by Eap45, EAP30, and VPS25. These vacuolar sorting proteins are also involved in a multiprotein complex with RNA polymerase II elongation factor (ELL). Eap45 (ELL-associated protein of 45 kDa), also known as vacuolar protein-sorting-associated protein 36, is a 386 amino acid protein containing a GLUE (GRAM-like ubiquitin-binding in Eap45) domain that mediates the binding to ubiquitin and phosphoinositides. Since Eap45 colocalizes with ubiquitinated proteins on late endosomes, it is likely that Eap45 plays a role in the endosomal sorting of ubiquitinated cargo. There are two isoforms of Eap45 that exist as a result of alternative splicing events.

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Note: This product is for in vitro research use only