

## VPS36 Antibody

Catalog No: #43983



Package Size: #43983-1 50ul #43983-2 100ul

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## Description

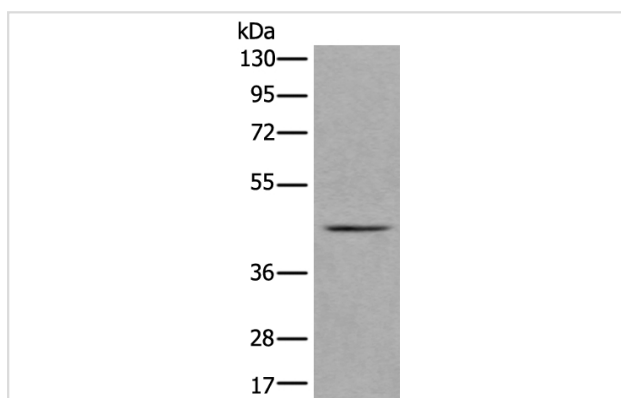
Product Name	VPS36 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	IHC WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total VPS36 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic peptide of human VPS36
Target Name	VPS36
Other Names	EAP45; C13orf9; CGI-145
Accession No.	Swiss-Prot#: Q86VN1NCBI Gene ID: 51028
Calculated MW	44kd
Concentration	0.8mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN <sub>3</sub> , 40% Glycerol.
Storage	Store at -20°C

## Application Details

Western blotting: 1:200-1000

Immunohistochemistry: 1: 20-100

## Images



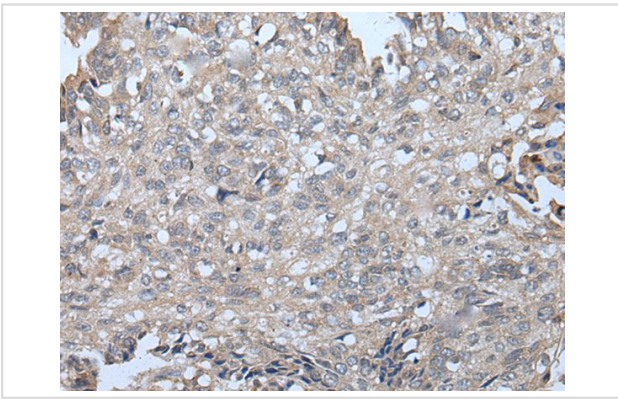
Gel: 8%SDS-PAGE

Lysate: 40 µg, Lane: Human tonsil tissue lysate,

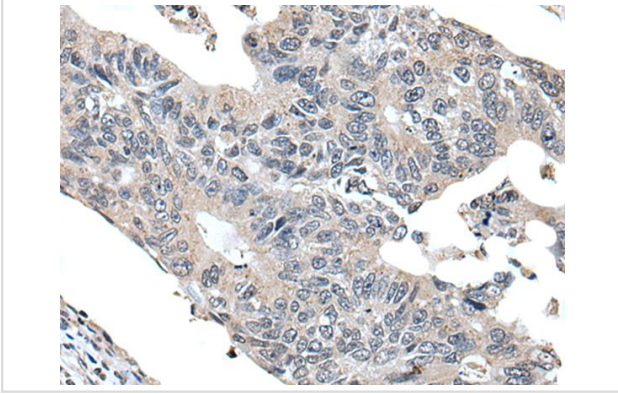
Primary antibody:VPS36 antibody at dilution 1/300,

Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution,

Exposure time: 1 minute



The image on the left is immunohistochemistry of paraffin-embedded Human lung cancer tissue using VPS36 Antibody at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x200)



The image on the left is immunohistochemistry of paraffin-embedded Human colorectal cancer tissue using VPS36 Antibody at dilution 1/30, on the right is treated with synthetic peptide. (Original magnification: x200)

## Background

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.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.