

OPTN Rabbit pAb

CatalogNo: YT8007

Key Features

Host Species

- Rabbit

Reactivity

- Human, Mouse, Rat

Applications

- WB

MW

- 63kD (Calculated)

Isotype

- IgG

Recommended Dilution Ratios

WB 1:500-2000

Storage

Storage* -15°C to -25°C/1 year (Do not lower than -25°C)

Formulation Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

Basic Information

Clonality Polyclonal

Immunogen Information

Immunogen Synthesized peptide derived from human OPTN

Specificity This antibody detects endogenous levels of OPTN at Human, Mouse, Rat

Target Information

Gene name OPTN FIP2 GLC1E HIP7 HYPL NRP

Protein Name	OPTN		
	Organism	Gene ID	UniProt ID
	Human	10133 ;	Q96CV9 ;
	Mouse	71648 ;	Q8K3K8 ;
	Rat	246294 ;	Q8R5M4 ;
Cellular Localization	Cytoplasm, perinuclear region. Golgi apparatus . Golgi apparatus, trans-Golgi network. Cytoplasmic vesicle, autophagosome. Cytoplasmic vesicle. Recycling endosome. Found in the perinuclear region and associates with the Golgi apparatus (PubMed:27534431). Colocalizes with MYO6 and RAB8 at the Golgi complex and in vesicular structures close to the plasma membrane. Localizes to LC3-positive cytoplasmic vesicles upon induction of autophagy. .		
Tissue specificity	Present in aqueous humor of the eye (at protein level). Highly expressed in trabecular meshwork. Expressed nonpigmented ciliary epithelium, retina, brain, adrenal cortex, fetus, lymphocyte, fibroblast, skeletal muscle, heart, liver, brain and placenta.		

| Validation Data

| Contact information

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