

OPTN rabbit pAb

Catalog No :	YT8067
Reactivity :	Human;Mouse;Rat
Applications :	WB
Target :	OPTN
Fields :	>>Mitophagy - animal;>>Amyotrophic lateral sclerosis;>>Pathways of neurodegeneration - multiple diseases
Gene Name :	OPTN FIP2 GLC1E HIP7 HYPL NRP
Protein Name :	OPTN
Human Gene Id :	10133
Human Swiss Prot No :	Q96CV9
Mouse Gene Id :	71648
Mouse Swiss Prot No :	Q8K3K8
Rat Gene Id :	246294
Rat Swiss Prot No :	Q8R5M4
Immunogen :	Synthesized peptide derived from human OPTN
Specificity :	This antibody detects endogenous levels of OPTN at Human, Mouse,Rat
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500-2000

Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	65kD,42kD
Subcellular Location :	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. .
Expression :	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.

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