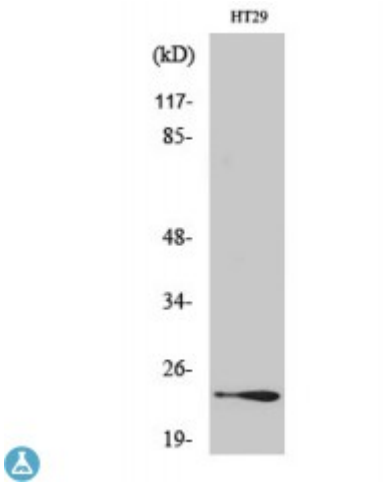
Anti-Rab 7L1 antibody



Description	Rabbit polyclonal to Rab 7L1.

Model	STJ95304
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	ELISA, WB
Immunogen	Synthesized peptide derived from human Rab 7L1
Immunogen Region	90-170 aa, Internal
Gene ID	8934
Gene Symbol	RAB29
Dilution range	WB 1:500-1:2000ELISA 1:20000
Specificity	Rab 7L1 Polyclonal Antibody detects endogenous levels of Rab 7L1 protein.
Tissue Specificity	Ubiquitous.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Note	For Research Use Only (RUO).
Protein Name	Ras-related protein Rab-7L1 Rab-7-like protein 1 Ras-related protein Rab-29
Molecular Weight	73 kDa
Clonality	Polyclonal
Conjugation	Unconjugated

Isotype	IgG
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Concentration	1 mg/ml
Storage Instruction	Store at -20°C, and avoid repeat freeze-thaw cycles.
Database Links	HGNC:9789OMIM:603949
Alternative Names	Ras-related protein Rab-7L1 Rab-7-like protein 1 Ras-related protein Rab-29
Function	Rab GTPase key regulator in vesicle trafficking. Essential for maintaining the integrity of the endosome-trans-Golgi network structure. Together with LRRK2, plays a role in the retrograde trafficking pathway for recycling proteins, such as mannose 6 phosphate receptor (M6PR), between lysosomes and the Golgi apparatus in a retromer-dependent manner. Regulates neuronal process morphology in the intact central nervous system (CNS). May play a role in the formation of typhoid toxin transport intermediates during Salmonella enterica serovar Typhi (S.Typhi) epithelial cell infection.
Cellular Localization	Cell membrane Cytoplasm Cytoplasm, perinuclear region Golgi apparatus Golgi apparatus, trans-Golgi network Vacuole Cytoplasm, cytoskeleton. Colocalizes with LRRK2 along tubular structures emerging from Golgi apparatus . Colocalizes with GM130 at the Golgi apparatus . Colocalizes with dynamic tubules emerging from and retracting to the Golgi apparatus . Colocalizes with TGN46 at the trans-Golgi network (TGN) . In Salmonella enterica serovar Typhi (S.Typhi) infected epithelial cells, is recruited and colocalized with both S.Typhi-containing vacuoles and dynamic tubules as well as those emerging from the vacuole toward the cell periphery .
Post-translational Modifications	In case of Salmonella enterica serovar Typhimurium (S.Typhimurium) infection, is proteolytically cleaved between Gly-41 and Val-42 by the GtgE viral protease encoded on the Gifsy-2 lysogen bacteriophage, which therefore prevents the recruitment of RAB29 to S.Typhimurium-containing vacuoles. In contrast, no proteolytically cleavage is detected in S.Typhi-infected cells .