Anti-ATG14 Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P106957

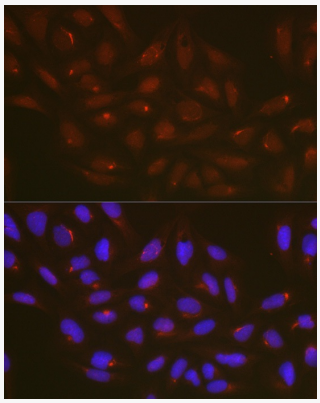
Product Information

Application	WB, IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:1000; IF 1:50~1:200
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 340-440 of human ATG14 (NP_055739.2).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-ATG14 Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

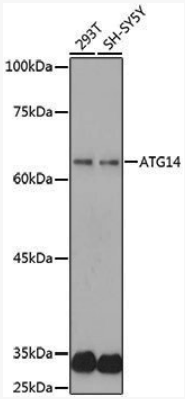
Protein Information

Synonyms	ATG14L; BARKOR; KIAA0831; ATG14.
Calculated MW	Calculated MW: 55 kDa; Observed MW: 65 kDa
Uniprot ID	Q6ZNE5
Gene ID	22863
Background	Enables GTPase binding activity. Involved in several processes, including macroautophagy; regulation of phosphorylation; and response to mitochondrial depolarisation. Acts upstream of or within endosome to lysosome transport. Located in autophagosome and phagophore assembly site membrane. Is extrinsic component of omegasome membrane and extrinsic component of phagophore assembly site membrane.

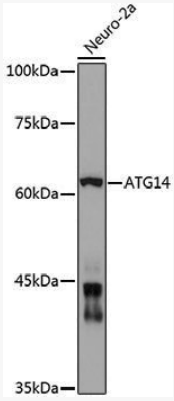
Validation Images



Immunofluorescence analysis of U2OS cells using ATG14 Rabbit pAb (P106957) at dilution of 1:100 (40× lens). Secondary antibody: Cy3-conjugated Goat anti-Rabbit IgG (H+L) at 1:500 dilution. Blue: DAPI for nuclear staining.



Western blot analysis of various lysates using ATG14 Rabbit pAb (P106957) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 180s.



Western blot analysis of lysates from Neuro-2a cells, using ATG14 Rabbit pAb (P106957) at 1:1,000 dilution.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Enhanced Kit.
Exposure time: 180s.