

Anti-ATG13 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

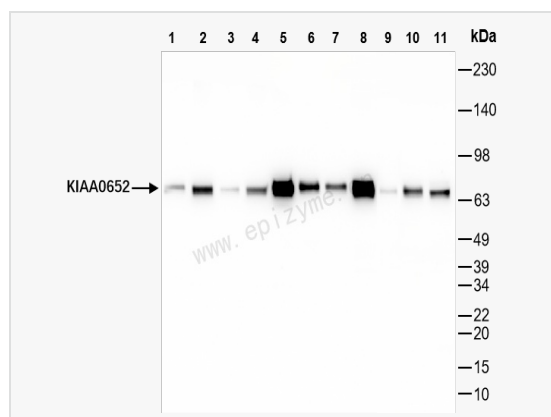
Catalog # R011653

Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:1,000~1:2,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	28L74L74
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human KIAA0652
Format	Affinity purified monoclonal 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-ATG13 Rabbit mAb [28L74L74] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	KIAA0652; ATG13; Autophagy-related protein 13.
Calculated MW	Calculated MW: 56 kDa; Observed MW: 72 kDa
Uniprot ID	O75143
Gene ID	9776
Background	The protein encoded by this gene is an autophagy factor and a target of the TOR kinase signaling pathway. The encoded protein is essential for autophagosome formation and mitophagy. [provided by RefSeq, Oct 2016]
Cellular Location	Cytoplasm.Cytosol.Preautophagosomal structure.Under starvation conditions, is localized to punctate structures primarily representing the isolation membrane; the isolation membrane sequesters a portion of the cytoplasm resulting in autophagosome formation.



Western Blot - Anti-ATG13 Rabbit mAb [28L74L74]

All lanes: R011653 at 1:1,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: K562 (Human chronic myeloid leukemia cell) whole cell lysates

Lane 5: U87 (Human malignant glioblastoma epithelial cells) whole cell lysates

Lane 6: C2C12 (Mouse myoblasts epithelial cell) whole cell lysates

Lane 7: Mouse ovary whole tissue lysates

Lane 8: Mouse testicular whole tissue lysates

Lane 9: Mouse pancreas whole tissue lysates

Lane 10: PC-12 (Rat adrenal pheochromocytoma epithelial cell) whole cell lysates

Lane 11: Rat ovary whole tissue lysates

Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 56 kDa

Observed band size: 72 kDa

Developed using the ECL technique (Cat. No. SQ201).