

Anti-ATG12 Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

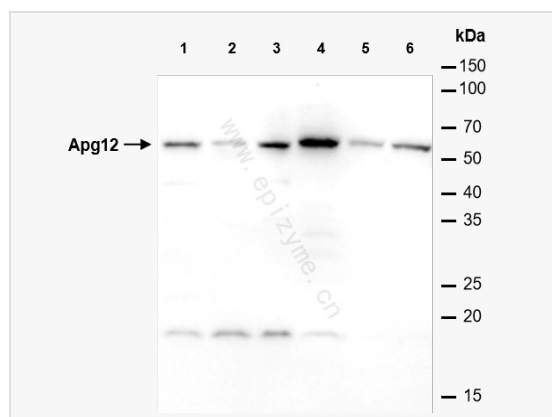
Catalog # R013314

Product Information

Application	ELISA, WB
Reactivity	Rat, Human, Mouse
Dilution	WB 1:1,000~1:3,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	20L29M13
Isotype	IgG
Label	Unconjugated
Immunogen	A synthesized peptide derived from human Apg12
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% 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-ATG12 Rabbit mAb [20L29M13] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Apg12, APG12-like, APG12L, ATG12, ATG12 autophagy related 12 homolog (S. cerevisiae), ATG12 autophagy related 12 homolog, ATG12_HUMAN, Autophagy 12, Autophagy-related protein 12, FBR93, HAPG12, Ubiquitin-like protein ATG12.
Calculated MW	Calculated MW: 15 kDa; Observed MW: 55 kDa
Uniprot ID	O94817
Gene ID	9140
Background	Autophagy is a process of bulk protein degradation in which cytoplasmic components, including organelles, are enclosed in double-membrane structures called autophagosomes and delivered to lysosomes or vacuoles for degradation. ATG12 is the human homolog of a yeast protein involved in autophagy (Mizushima et al., 1998 [PubMed 9852036]).[supplied by OMIM, Mar 2008]
Cellular Location	Cytoplasm.
Tissue Location	Ubiquitous.



Western Blot - Anti-ATG12 Rabbit mAb [20L29M13]

All lanes: R013314 at 1:3,000 dilution

Lane 1: HepG2 (Human hepatocellular carcinoma epithelial cell) whole cell lysates

Lane 2: MCF-7 (Human breast adenocarcinoma epithelial cell) whole cell lysates

Lane 3: T24 (Human bladder cancer epithelial cell) whole cell lysates

Lane 4: Raw264.7 (Mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysates

Lane 5: Balb/c mouse heart whole tissue lysates

Lane 6: Balb/c mouse liver 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: 15 kDa

Observed band size: 55 kDa

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