



[Go to Product page](#)

Datasheet for ABIN387794

anti-ATG12 antibody

1 Image

1 Publication

Overview

Quantity:	400 µL
Target:	ATG12
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ATG12 antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Immunogen:	APG12L recombinant protein is used to produce this monoclonal antibody.
Clone:	43CT73-3-5-5-4
Isotype:	Ig kappa, IgG2b
Purification:	This antibody is purified through a protein G column, followed by dialysis against PBS.

Target Details

Target:	ATG12
Alternative Name:	ATG12 (ATG12 Products)
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]).

Target Details

Molecular Weight:	15113
Gene ID:	9140
NCBI Accession:	NP_001264712, NP_004698
UniProt:	O94817
Pathways:	Autophagy

Application Details

Application Notes:	WB: 1:4000
Restrictions:	For Research Use only

Handling

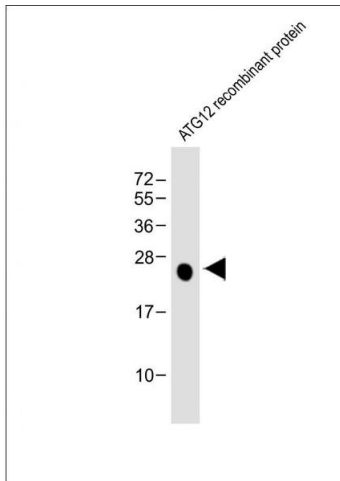
Format:	Liquid
Buffer:	Purified monoclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.
Expiry Date:	6 months

Publications

Product cited in:	<p>Xu, Wang, Chang, Du, Diao, Jiang, Wang, Ma, Zhang: "Mammalian sterile 20-like kinase 1/2 inhibits the Wnt/β-catenin signalling pathway by directly binding casein kinase 1β." in: The Biochemical journal, Vol. 458, Issue 1, pp. 159-69, (2014) (PubMed).</p> <p>Rajyaguru, She, Parker: "Scd6 targets eIF4G to repress translation: RGG motif proteins as a class of eIF4G-binding proteins." in: Molecular cell, Vol. 45, Issue 2, pp. 244-54, (2012) (PubMed).</p> <p>Nissan, Rajyaguru, She, Song, Parker: "Decapping activators in <i>Saccharomyces cerevisiae</i> act</p>
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by multiple mechanisms." in: **Molecular cell**, Vol. 39, Issue 5, pp. 773-83, (2010) ([PubMed](#)).

Images



Western Blotting

Image 1. Anti-G12 at 1:4000 dilution + ATG12 recombinant protein Lysates/proteins at 20 ng per lane. Secondary Goat Anti-mouse IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 26 kDa Blocking/Dilution buffer: 5 % NFDM/TBST.