

Datasheet for ABIN7265711

anti-ATG7 antibody**4** Images[Go to Product page](#)

Overview

Quantity:	100 µL
Target:	ATG7
Reactivity:	Human
Host:	Rabbit
Clonality:	Monoclonal
Conjugate:	This ATG7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP)

Product Details

Purpose:	ATG7 Rabbit mAb
Immunogen:	A synthesized peptide derived from human Atg7(Apg7).
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Monoclonal Antibodies
Purification:	Affinity purification

Target Details

Target:	ATG7
Alternative Name:	ATG7 (ATG7 Products)
Background:	This gene encodes an E1-like activating enzyme that is essential for autophagy and cytoplasmic

Target Details

to vacuole transport. The encoded protein is also thought to modulate p53-dependent cell cycle pathways during prolonged metabolic stress. It has been associated with multiple functions, including axon membrane trafficking, axonal homeostasis, mitophagy, adipose differentiation, and hematopoietic stem cell maintenance. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2015],ATG7,APG7-LIKE,APG7L,GSA7,Apg7/Atg7,Apoptosis,Autophagy,Autophagy_ATGs,Cancer,Cardiovascular,Cell Biology & Developmental Biology,Endocrine & Metabolism,Heart,Immunology & Inflammation,Mitochondrial metabolism,Mitochondrial metabolism_Mitophagy fission and fusion,Signal Transduction,Ubiquitin,ATG7

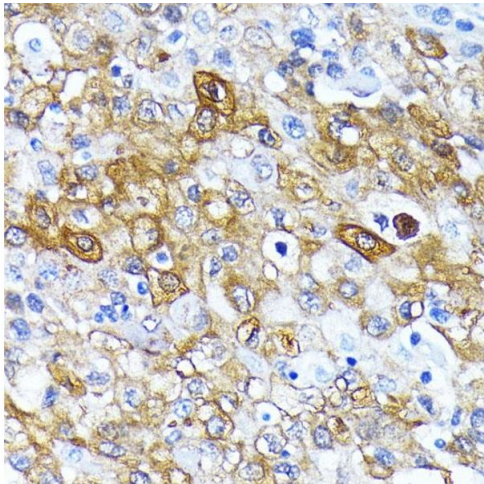
Molecular Weight:	77kDa
Gene ID:	10533
UniProt:	O95352
Pathways:	Response to Water Deprivation, Autophagy

Application Details

Application Notes:	WB,1:500 - 1:2000,IHC,1:50 - 1:200,IP,1:50 - 1:200
Restrictions:	For Research Use only

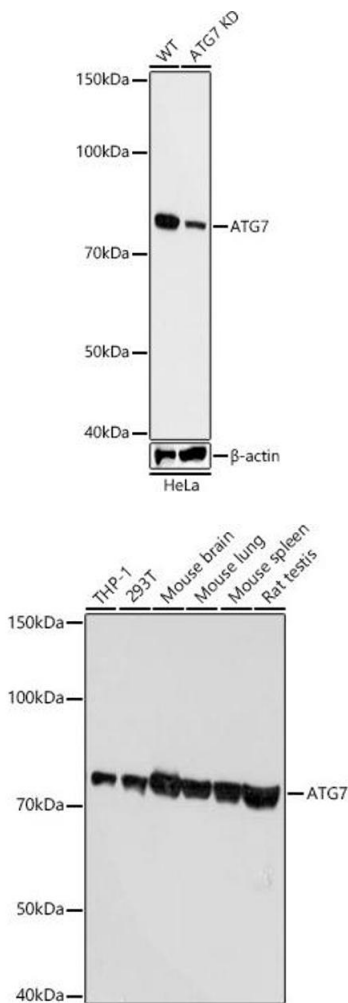
Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide,0.05 % BSA,50 % glycerol, pH 7.3.
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:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.



Immunohistochemistry

Image 1. Immunohistochemistry of paraffin-embedded human esophageal cancer using antibody at dilution of 1:100 (40x lens). Perform microwave antigen retrieval with 10 mM PBS buffer pH 7.2 before commencing with IHC staining protocol.



Western Blotting

Image 2. Western blot analysis of extracts from wild type(WT) and HNRNPF knockout (KD) Human cells, using HNRNPF antibody (1) at dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: .

Western Blotting

Image 3. Western blot analysis of extracts of various cell lines, using antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 10s.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7265711.