BT LAB
Bioassay Technology Laboratory
Optimize Your Research

ATG7 mouse Monoclonal Antibody(3D6)

Description

Product type	Primary Antibody
Code	BT-MCA0191
Host	Mouse
Isotype	IgG
Size	20ul, 50ul, 100ul
Immunogen	Recombinant Protein of ATG7
Mol wt	N/A
Species reactivity	Human,Mouse,Rat
Clonality	Monoclonal
Recommended application	IF, ICC, IHC-p
Concentration	1 mg/ml
Full name	Ubiquitin-like modifier-activating enzyme ATG7
Synonyms	Ubiquitin-like modifier-activating enzyme ATG7; ATG12-activating enzyme E1 ATG7; Autophagy-related protein 7; APG7-like; hAGP7; Ubiquitin-activating enzyme E1-like protein; ATG7; APG7L

This product is for research use only, not for use in human, therapeutic or diagnostic procedure.

Background

This gene encodes an E1-like activating enzyme that is essential for autophagy and cytoplasmic 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.

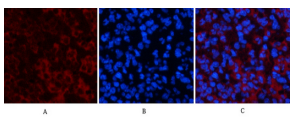
Recommended Dilution

IF: 1:50-200

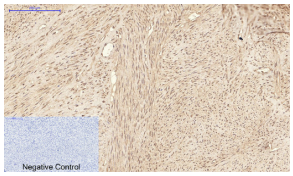
IHC-p: 1:50-300

Not yet tested in other applications.

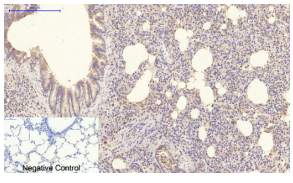
Images



Immunofluorescence analysis of mouse-spleen tissue. 1.ATG7 Mouse Monoclonal antibody(3D6) (red) was diluted at 1:200(4°C,overnight). 2. Cy3 labled Secondary antibody was diluted at 1:300(room temperature, 50min).3. Picture B: DAPI(blue) 10min. Picture A:Target. Picture B: DAPI. Picture C: merge of A+B



Immunohistochemical analysis of paraffin-embedded Human-uterus tissue. 1.ATG7 Mouse Monoclonal antibody(3D6) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.



Immunohistochemical analysis of paraffin-embedded Rat-lung tissue. 1.ATG7 Mouse Monoclonal antibody(3D6) was diluted at 1:200(4°C,overnight). 2.Sodium citrate pH 6.0 was used for antibody retrieval(>98°C,20min). 3.Secondary antibody was diluted at 1:200(room temperature, 30min). Negative control was used by secondary antibody only.

Storage

-20°C for one year

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