

Fbx32/MAFbx/ATR-1 Antibody
Rabbit Polyclonal Antibody
Catalog # ABV10391**Specification**

Fbx32/MAFbx/ATR-1 Antibody - Product Information

Application	WB
Primary Accession	O91Z62
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	40926

Fbx32/MAFbx/ATR-1 Antibody - Additional Information**Gene ID** 171043

Positive Control	Rat kidney tissue lysate
Application & Usage	Western Blot analysis (1-4 µg/ml). However, the optimal concentrations should be determined individually. Blocking peptide is available separately.

Other Names

F-box only protein 32, Atrogin-1, Muscle atrophy F-box protein

Target/Specificity

Fbx32

Antibody Form

Liquid

Appearance

Colorless liquid

Formulation

100 µg (0.5 mg/ml) affinity purified rabbit anti-Fbx32 polyclonal antibody in phosphate buffered saline (PBS), pH 7.2, containing 30% glycerol, 0.5% BSA, 5 mM EDTA and 0.01% thimerosal.

Handling

The antibody solution should be gently mixed before use.

Reconstitution & Storage

-20 °C

Background Descriptions**Precautions**

Fbx32/MAFbx/ATR-1 Antibody is for research use only and not for use in diagnostic or therapeutic

procedures.

Fbx32/MAFbx/ATR-1 Antibody - Protein Information

Name Fbxo32

Function

Substrate recognition component of a SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complex which mediates the ubiquitination and subsequent proteasomal degradation of target proteins. Probably recognizes and binds to phosphorylated target proteins during skeletal muscle atrophy. Recognizes TERF1 (By similarity).

Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q969P5}. Nucleus {ECO:0000250|UniProtKB:Q969P5}.
Note=Shuttles between cytoplasm and the nucleus. {ECO:0000250|UniProtKB:Q969P5}

Tissue Location

Specifically expressed in cardiac and skeletal muscle

Fbx32/MAFbx/ATR-1 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Fbx32/MAFbx/ATR-1 Antibody - Images

Fbx32/MAFbx/ATR-1 Antibody - Background

Atrogin-1 (Atr1) is also known as Muscle Atrophy F-box (MAFbx). It is an E3 ubiquitin ligase that initiates ATPdependent ubiquitin-mediated proteolysis and promotes muscle atrophy. MAFbx is approximately a 43kDa protein.