

## Summary

<b>Production Name</b>	IL1B Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	IHC,ICC,ELISA
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG1
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Storage</b>	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
<b>Buffer</b>	Purified antibody in PBS with 0.05% sodium azide.
<b>Purification</b>	Affinity Purification

## Immunogen

<b>Gene Name</b>	IL1B
<b>Alternative Names</b>	IL-1; IL1F2; IL1-BETA
<b>Gene ID</b>	3553.0
<b>SwissProt ID</b>	P01584.Purified recombinant fragment of human IL1B expressed in E. Coli.

## Application

<b>Dilution Ratio</b>	IHC:1:200-1:1000,ICC:1:200-1:1000,ELISA:1:10000
<b>Molecular Weight</b>	31kDa

## Background

The modification of proteins with ubiquitin is an important cellular mechanism for targeting abnormal or short-lived

**Product Name: IL1B Mouse Monoclonal Antibody**  
**Catalog #: AMM81051**

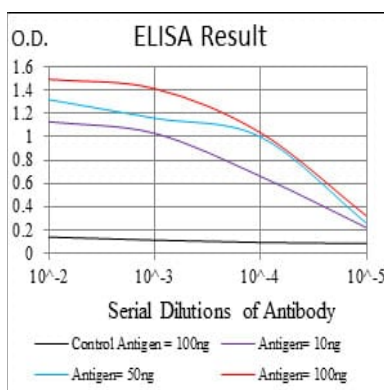


proteins for degradation. Ubiquitination involves at least three classes of enzymes: ubiquitin-activating enzymes, or E1s, ubiquitin-conjugating enzymes, or E2s, and ubiquitin-protein ligases, or E3s. This gene encodes a member of the E2 ubiquitin-conjugating enzyme family. Four alternatively spliced transcript variants encoding the same protein have been found for this gene.

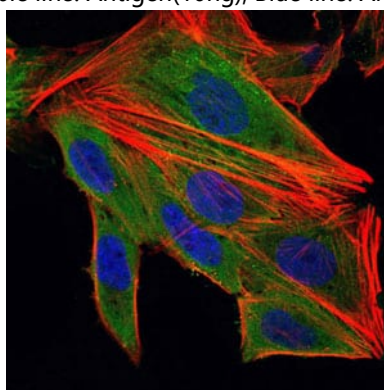
## Research Area

TGF-beta signaling pathway, MAPK signaling pathway

## Image Data



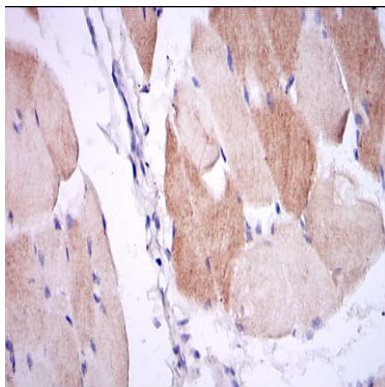
Black line: Control Antigen (100 ng); Purple line: Antigen(10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng);



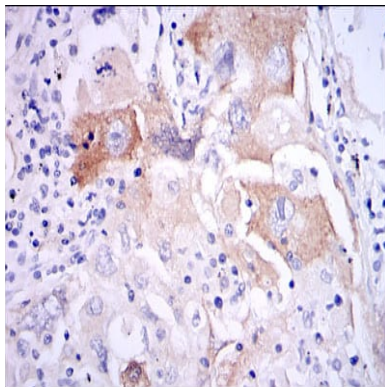
Immunofluorescence analysis of HepG2 cells using IL1B mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor-555 phalloidin.

**Product Name: IL1B Mouse Monoclonal Antibody**  
**Catalog #: AMM81051**

---



Immunohistochemical analysis of paraffin-embedded human muscle tissues using IL1B mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded human lung cancer tissues using IL1B mouse mAb with DAB staining.

## **Note**

For research use only.