

## Summary

<b>Production Name</b>	AXIN1 Mouse Monoclonal Antibody
<b>Description</b>	Mouse Monoclonal Antibody
<b>Host</b>	Mouse
<b>Application</b>	ICC,FC,ELISA
<b>Reactivity</b>	Human

## Performance

<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	Mouse IgG2b
<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>	AXIN1
<b>Alternative Names</b>	AXIN; PPP1R49
<b>Gene ID</b>	8312.0
<b>SwissProt ID</b>	O15169.Purified recombinant fragment of human AXIN1 (AA: 546-752) expressed in E. Coli.

## Application

<b>Dilution Ratio</b>	ICC:1:50-1:250,FC:1:200-1:400,ELISA:1:10000
<b>Molecular Weight</b>	95.6kDa

## Background

**Product Name: AXIN1 Mouse Monoclonal Antibody**  
**Catalog #: AMM81858**

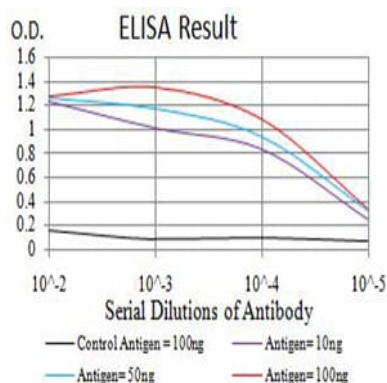


This gene encodes a cytoplasmic protein which contains a regulation of G-protein signaling (RGS) domain and a dishevelled and axin (DIX) domain. The encoded protein interacts with adenomatosis polyposis coli, catenin beta-1, glycogen synthase kinase 3 beta, protein phosphate 2, and itself. This protein functions as a negative regulator of the wingless-type MMTV integration site family, member 1 (WNT) signaling pathway and can induce apoptosis. The crystal structure of a portion of this protein, alone and in a complex with other proteins, has been resolved. Mutations in this gene have been associated with hepatocellular carcinoma, hepatoblastomas, ovarian endometrioid adenocarcinomas, and medullablastomas. Alternative splicing results in multiple transcript variants.

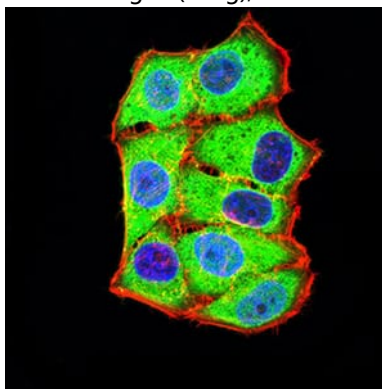
## Research Area

Apoptosis, Wnt signaling pathway

## Image Data



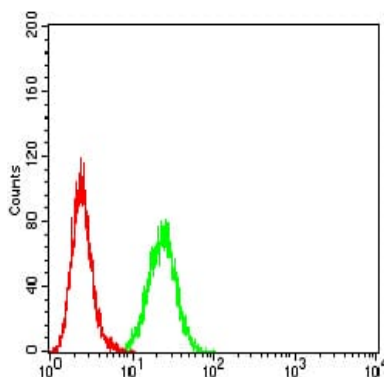
Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



Immunofluorescence analysis of HeLa cells using AXIN1 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

**Product Name: AXIN1 Mouse Monoclonal Antibody**  
**Catalog #: AMM81858**

---



Flow cytometric analysis of Hela cells using AXIN1 mouse mAb (green) and negative control (red).

### **Note**

For research use only.