

# CoraLite® Plus 488-conjugated AXIN1 Monoclonal antibody

Catalog Number: **CL488-68093**

## Basic Information

**Catalog Number:**

CL488-68093

**Size:**

1000 µg/ml

**Source:**

Mouse

**Isotype:**

IgG1

**Immunogen Catalog Number:**

AG10079

**GenBank Accession Number:**

BC044648

**GeneID (NCBI):**

8312

**UNIPROT ID:**

O15169

**Full Name:**

axin 1

**Calculated MW:**

826aa,92 kDa; 862aa,95 kDa

**Observed MW:**

110-120 kDa

**Purification Method:**

Protein G purification

**CloneNo.:**

1C4E8

**Excitation/Emission maxima  
wavelengths:**

493 nm / 522 nm

## Applications

**Tested Applications:**

FC (Intra)

**Species Specificity:**

Human, mouse, rat

## Background Information

Axis inhibition protein1 (AXIN1), also called AXIN, together with AXIN2 are multidomain scaffold proteins that negatively regulate Wnt signaling. AXIN1 is likely to function as a tumor suppressor. Under UV irradiation, AXIN1-HIPK2-TP53 complex forms. The complex also controls cell growth, apoptosis and development. Like AXIN2, AXIN1 undergoes poly(ADP-ribosylation) by tankyrase TNKS and TNKS2 followed by ubiquitination by RNF146 which leads to its degradation and subsequent activation of Wnt signaling. Its deubiquitination by USP34 is important for nuclear accumulation during Wnt signaling. Proteintech's AXIN1 antibody 16541-1-AP is a rabbit polyclonal antibody raised against the N-terminus of human AXIN1.

## Storage

**Storage:**

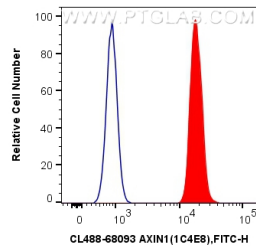
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

**Storage Buffer:**

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

## Selected Validation Data



1X10<sup>6</sup> A431 cells were intracellularly stained with 0.4 ug CoraLite® Plus 488 Anti-Human AXIN1 (CL488-68093, Clone:1C4E8) (red), or 0.4 ug CoraLite® Plus 488 Mouse IgG1 Isotype Control (MOPC-21) (CL488-65124, Clone: MOPC-21) (blue). Cells were fixed and permeabilized with True-Nuclear Transcription Factor Buffer Set.