

## AXIN1

**Reactivity:** Human

**Tested applications:** WB IHC

**Recommended Dilution:** WB 1:500 - 1:1000 IHC 1:50 - 1:100

**Calculated MW:** 96kDa

**Observed MW:** Refer to Figures

**Immunogen:**

A synthetic peptide of human AXIN1

**Storage Buffer:**

Store at 4. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

**Synonym:**

AXIN1; AXIN; Axin-1; Axis inhibition protein 1; PPP1R49;

**Catalog #:** A0583

**Antibody Type:**

Polyclonal Antibody

**Species:** Rabbit

**Gene ID:** 8312

**Isotype:** IgG

**Swiss Prot:** O15169

**Purity:** Affinity purification

For research use only.

**Background:**

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. Two transcript variants encoding distinct isoforms have been identified for this gene.

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