

## Datasheet

### AXIN2 monoclonal antibody, clone AAIA-1

**Catalog Number:** MAB19599

**Regulatory Status:** For research use only (RUO)

**Product Description:** Rabbit monoclonal antibody raised against synthetic peptide of human AXIN2.

**Clone Name:** AAIA-1

**Immunogen:** A synthetic peptide corresponding to human AXIN2.

**Host:** Rabbit

**Reactivity:** Human, Mouse, Rat

**Applications:** ICC, IF, IHC-P, WB-Ce  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at <http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Form:** Liquid

**Purification:** Affinity purification

**Isotype:** IgG

**Recommend Usage:** Immunocytochemistry

(1:50-1:200)

Immunofluorescence (1:50-1:200)

Immunohistochemistry (1:50-1:200)

Western Blot (1:500-1:2000)

The optimal working dilution should be determined by the end user.

**Storage Buffer:** In PBS, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

**Storage Instruction:** Store at -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20°C for a longer time. Avoid repeated freezing and thawing.

**Entrez GeneID:** 8313

**Gene Symbol:** AXIN2

**Gene Alias:** AXIL, DKFZp781B0869, MGC10366, MGC126582

**Gene Summary:** The Axin-related protein, Axin2, presumably plays an important role in the regulation of the stability of beta-catenin in the Wnt signaling pathway, like its rodent homologs, mouse conductin/rat axil. In mouse, conductin organizes a multiprotein complex of APC (adenomatous polyposis of the colon), beta-catenin, glycogen synthase kinase 3-beta, and conductin, which leads to the degradation of beta-catenin. Apparently, the deregulation of beta-catenin is an important event in the genesis of a number of malignancies. The AXIN2 gene has been mapped to 17q23-q24, a region that shows frequent loss of heterozygosity in breast cancer, neuroblastoma, and other tumors. Mutations in this gene have been associated with colorectal cancer with defective mismatch repair. [provided by RefSeq]