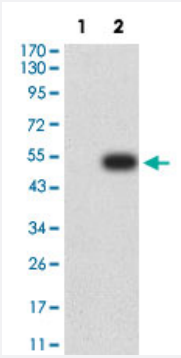
AXIN1 monoclonal antibody, clone 4F10G1

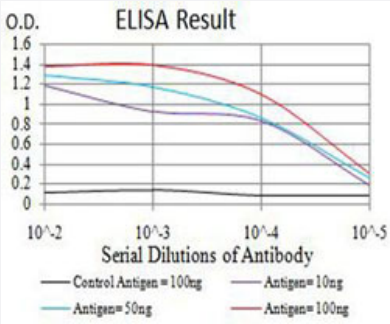
Catalog # MAB17919 Size 100 ug

Applications



Western Blot (Transfected lysate)

Western Blot analysis of Lane 1: HEK293 and Lane 2: AXIN1-hIgGFc transfected HEK293 cell lysates with AXIN1 monoclonal antibody, clone 4F10G1 (Cat # MAB17919).



Enzyme-linked Immunoabsorbent Assay

ELISA analysis with AXIN1 monoclonal antibody, clone 4F10G1 (Cat # MAB17919).

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant human AXIN1.
Immunogen	Recombinant protein corresponding to amino acids 546-752 of human AXIN1.
Host	Mouse
Theoretical MW (kDa)	95.6
Reactivity	Human
Form	Liquid

Isotype	IgG1
Recommend Usage	ELISA (1:10000) Western Blot (1:100-1:500) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.05% sodium azide).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot (Transfected lysate)

  Western Blot analysis of Lane 1: HEK293 and Lane 2: AXIN1-hIgGFc transfected HEK293 cell lysates with AXIN1 monoclonal antibody, clone 4F10G1 (Cat # MAB17919).

- Enzyme-linked Immunoabsorbent Assay

  ELISA analysis with AXIN1 monoclonal antibody, clone 4F10G1 (Cat # MAB17919).

Gene Info — AXIN1

Entrez GeneID	8312
Protein Accession#	O15169
Gene Name	AXIN1
Gene Alias	AXIN, MGC52315
Gene Description	axin 1
Omim ID	114550 603816 607864
Gene Ontology	Hyperlink

Gene Summary	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 adenomat osis polyposis coli, catenin (cadherin-associated protein), beta 1, 88kDa, glycogen synthase kina se 3 beta, protein phosphate 2, and itself. This protein functions as a negative regulator of the win gless-type MMTV integration site family, member 1 (WNT) signaling pathway and can induce apo ptosis. 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, h epatoblastomas, ovarian endometriod adenocarcinomas, and medullablastomas. Two transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq
Other Designations	axis inhibition protein 1|axis inhibitor 1|fused, mouse, homolog of

Pathway

- Basal cell carcinoma
- Colorectal cancer
- Endometrial cancer
- Pathways in cancer
- Wnt signaling pathway

Disease

- Adenoma
- Breast cancer
- Breast Neoplasms
- Cardiovascular Diseases
- Chromosome Deletion
- Colorectal Neoplasms
- Diabetes Mellitus
- Edema
- Heart Defects
- Neoplasm Invasiveness
- Tobacco Use Disorder