

32-6047: Mouse Anti Human Axin-1(Clone: PAT1A4AT.)

Clonality :	Monoclonal
Clone Name :	PAT1A4AT.
Application :	ELISA,WB,FACS
Gene :	AXIN1
Gene ID :	8312
Uniprot ID :	O15169
Format :	Purified
Alternative Name :	Axin-1,Axis inhibition protein 1,hAxin,AXIN1,AXIN,MGC52315.
Isotype :	Mouse IgG2b heavy chain and ? light chain.
Immunogen Information :	Anti-human Axin1 mAb, is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human Axin1 amino acids 546-752 purified from E. coli.

Description

AXIN1 is a cytoplasmic protein, which contains a regulation of G-protein signaling (RGS) domain and a dishevelled and axin (DIX) domain. Axin1 is has been characterized as a tumor suppressor. In addition, Axin1 has an essential role in the formation of the embryonic neural axis. It has also been reported that Axin is found in mitotic spindles and centrosomes. AXIN1 interacts with adenomatosis polyposis coli, catenin beta-1, glycogen synthase kinase 3 beta, protein phosphate 2, and itself. AXIN1 functions as a negative regulator of the WNT1 signaling pathway and is able to induce apoptosis. Axin can be identified in a mouse mutant strain, created by random integration of a transgene. Mutations in the AXIN1 gene are linked to hepatocellular carcinoma, hepatoblastomas, ovarian endometriod adenocarcinomas, and medullablastomas.

Product Info

Amount :	20 µg
Purification :	Axin1 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
Content :	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
Storage condition :	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

Application Note

Axin1 antibody has been tested by ELISA, Western blot, Immunofluorescence, and Immunoprecipitation analyses to assure specificity and reactivity. Since vary, however, each investigation should be titrated by a reagent to obtain optimal results. Recommended dilution range for Western blot analysis and Immunofluorescence is 1:250 ~ 500. Recommended starting dilution is 1:500.