

Datasheet for ABIN7265799
anti-Axin antibody (AA 1-351)



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1 Image

Overview

Quantity:	100 µL
Target:	Axin (AXIN1)
Binding Specificity:	AA 1-351
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Axin antibody is un-conjugated
Application:	Western Blotting (WB)

Product Details

Purpose:	AXIN1 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-351 of human AXIN1 (NP_851393.1).
Sequence:	MNIQEQGFPL DLGASFTEDA PRPPVPGEEG ELVSTDPRPA SYSFCSGKGV GIKGETSTAT PRRSDLDLGY EPEGSASPTP PYLKWAESLH SLLDDQDGIS LFRTFLKQEG CADLLDFWFA CTGFRKLEPC DSNEEKRLKL ARAIYRKYL DNNGIVSRQT KPATKSFYKG CIMKQLIDPA MFDQAQTEIQ ATMEENTYPS FLKSDIYLEY TRTGSESPKV CSDQSSSGST GKGISGYLPT LNEDEEWKCD QDMDDEDGRD AAPPGRLPQK LLLLETAAPRV SSSRRYSEGR EFRYGSWREP VNPYYVNAGY ALAPATSAND SEQQSLSSDA DTLSLTDSSV DGIPPYRIRK Q
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat

Product Details

Characteristics: Polyclonal Antibodies

Purification: Affinity purification

Target Details

Target: Axin (AXIN1)

Alternative Name: AXIN1 ([AXIN1 Products](#))

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 endometriod adenocarcinomas, and medullablastomas. Alternative splicing results in multiple transcript variants.,AXIN1,AXIN,PPP1R49,axin-1,Signal Transduction,Cell Biology & Developmental Biology,Apoptosis,Cell Cycle,Cell cycle inhibitors,Wnt/ β -Catenin Signaling Pathway,ESC Pluripotency and Differentiation,Stem Cells,AXIN1

Molecular Weight: 91kDa/95kDa

Gene ID: 8312

UniProt: [O15169](#)

Pathways: [WNT Signaling](#), [Sensory Perception of Sound](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#)

Application Details

Application Notes: WB,1:500 - 1:1000

Restrictions: For Research Use only

Handling

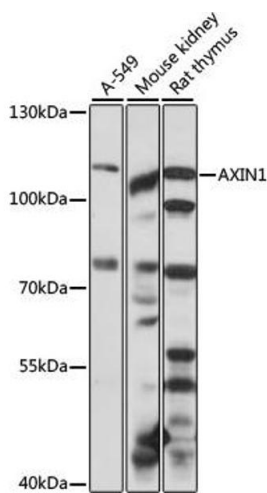
Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using antibody (ABIN7265799) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 1s.