



Rabbit Anti-Human AXIN1 monoclonal antibody, clone U.729.3 (CABT-L1205)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	AXIN1
Immunogen	Recombinant protein of human Axin1
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Non-human primate
Clone	U.729.3
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	IHC-P, IP, WB
Format	Liquid
Buffer	0.01M HEPES, pH 7.5, with 0.15M NaCl, 100µg/ml BSA, 50% glycerol
Preservative	See individual product datasheet
Storage	-20°C

BACKGROUND

Introduction	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
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adenomatosis polyposis coli, catenin (cadherin-associated protein), beta 1, 88kDa, 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.

Keywords	AXIN1;axin 1;axin-1;PPP1R49;protein phosphatase 1;regulatory subunit 49;axis inhibitor 1;fused, mouse, homolog of;axis inhibition protein 1;protein phosphatase 1, regulatory subunit 49;AXIN;MGC52315
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GENE INFORMATION

Entrez Gene ID	8312
UniProt ID	O15169
