



# 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

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

## BACKGROUND

<b>Introduction</b>	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.

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**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](#)

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**UniProt ID**

[O15169](#)

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