

Datasheet for ABIN5611199
anti-Axin antibody (AA 546-752)

3 Images

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Overview

Quantity:	0.1 mg
Target:	Axin (AXIN1)
Binding Specificity:	AA 546-752
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC), Flow Cytometry (FACS), Neutralization (Neut)

Product Details

Immunogen:	Purified recombinant fragment of human 4F10G1 (AA: 546-752) expressed in E. coli.
Clone:	4F10G1
Isotype:	IgG1
Purification:	purified

Target Details

Target:	Axin (AXIN1)
Alternative Name:	AXIN1 (AXIN1 Products)
Background:	Description: 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

Target Details

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.

Aliases: AXIN, PPP1R49

Molecular Weight:	95.6 kDa
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Gene ID:	8312
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HGNC:	8312
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Pathways:	WNT Signaling , Sensory Perception of Sound , Regulation of G-Protein Coupled Receptor Protein Signaling
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Application Details

Application Notes:	ELISA: 1:10000, WB: 1:500 - 1:2000, ICC: N/A, FCM: N/A, IHC: N/A
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Restrictions:	For Research Use only
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Handling

Format:	Liquid
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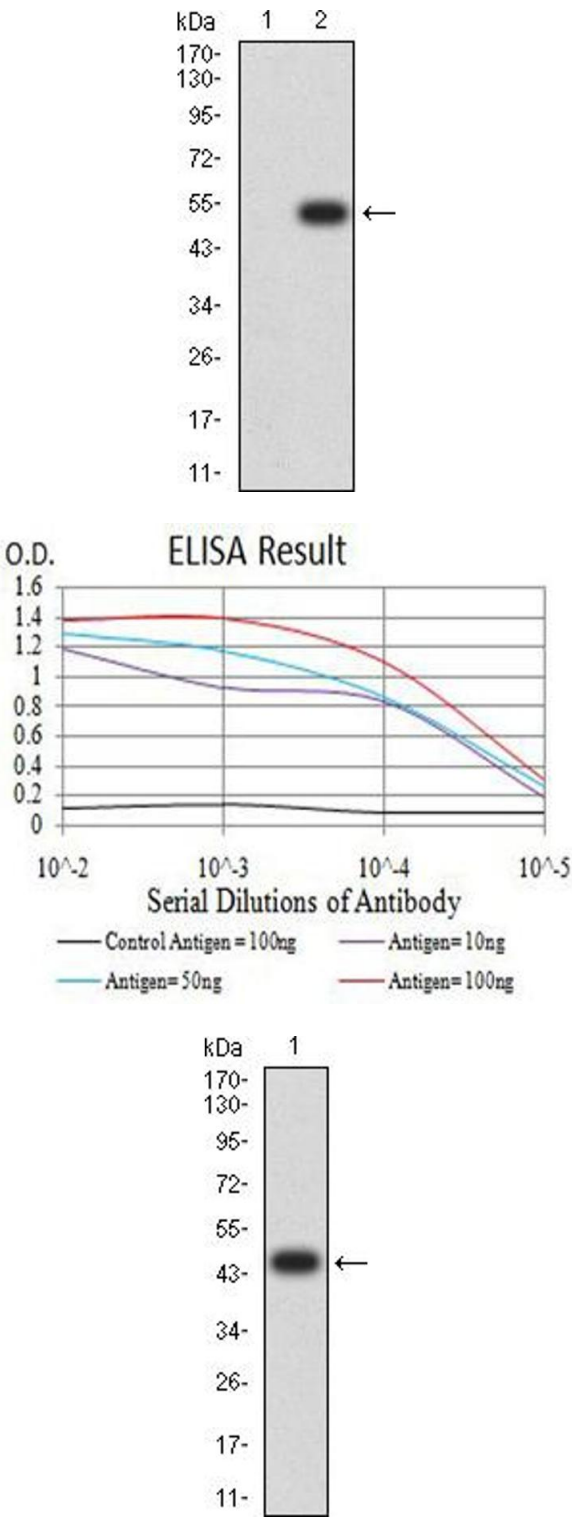
Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C/-20 °C
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Storage Comment:	4°C, -20°C for long term storage
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Western Blotting

Image 1. Western blot analysis using AXIN1 mAb against HEK293 (1) and AXIN1 (AA: 546-752)-hlgGFc transfected HEK293 (2) cell lysate.

ELISA

Image 2. Black line: Control Antigen (100 ng),Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line:Antigen (100 ng)

Western Blotting

Image 3. Western blot analysis using AXIN1 mAb against human AXIN1 (AA: 546-752) recombinant protein. (Expected MW is 48.7 kDa)