



Datasheet for ABIN3030087
anti-Axin antibody (AA 710-738)



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3 Images

Overview

Quantity:	0.4 mL
Target:	Axin (AXIN1)
Binding Specificity:	AA 710-738
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Axin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A portion of amino acids 710-738 from the human protein was used as the immunogen for this Axin-1 antibody.
Isotype:	Ig Fraction
Purification:	Antigen affinity purified

Target Details

Target:	Axin (AXIN1)
Alternative Name:	Axin-1 (AXIN1 Products)
Background:	Axin-1 is 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 phosphatase 2, and itself.

Target Details

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 the gene.

UniProt: [O15169](#)

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

Application Details

Application Notes: Titration of the Axin-1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000,IHC (Paraffin): 1:10-1:50

Restrictions: For Research Use only

Handling

Format: Liquid

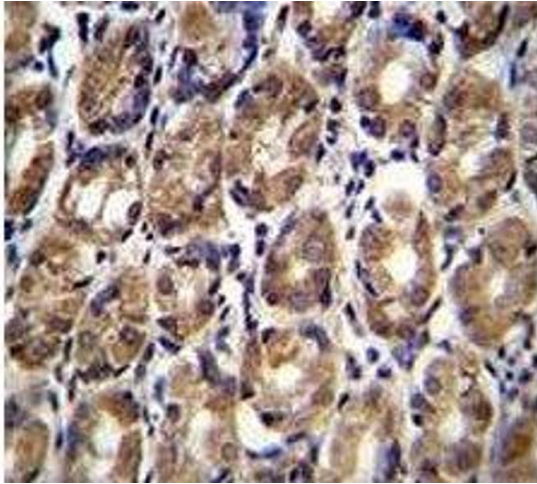
Buffer: In 1X PBS, pH 7.4, with 0.09 % sodium azide

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

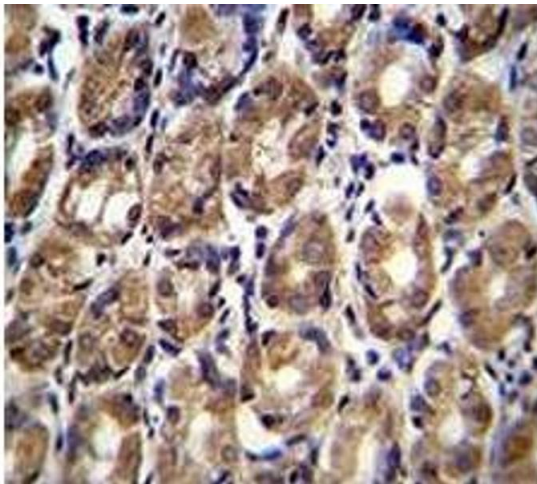
Storage: -20 °C

Storage Comment: Aliquot the Axin-1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Immunohistochemistry

Image 1. Axin-1 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue



Immunohistochemistry

Image 2. Axin-1 antibody immunohistochemistry analysis in formalin fixed and paraffin embedded human stomach tissue



Western Blotting

Image 3. Axin-1 antibody western blot analysis in MDA-MB435 lysate. Predicted molecular weight: 95-110 kDa.