Datasheet for ABIN2856107

anti-AXIN2 antibody

1 Image

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Overview

Quantity:	100 µL
Target:	AXIN2
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AXIN2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant protein encompassing a sequence within the center region of human Axin 2. The exact sequence is proprietary.
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Rabbit polyclonal antibody to axin 2 (axin 2 (conductin, axil)) axin 2 antibody [N2C2], Internal
Purification:	Purified by antigen-affinity chromatography.

Target Details

Target:	AXIN2
Alternative Name:	axin 2 (AXIN2 Products)

Target Details

Background:	The Axin-related protein, Axin2, presumably plays an important role in the regulation of the stability of beta-catenin in the Wnt signaling pathway, like its rodent homologs, mouse conductin/rat axil. In mouse, conductin organizes a multiprotein complex of APC (adenomatous polyposis of the colon), beta-catenin, glycogen synthase kinase 3-beta, and conductin, which leads to the degradation of beta-catenin. Apparently, the deregulation of beta-catenin is an important event in the genesis of a number of malignancies. The AXIN2 gene has been mapped to 17q23-q24, a region that shows frequent loss of heterozygosity in breast cancer, neuroblastoma, and other tumors. Mutations in this gene have been associated with colorectal cancer with defective mismatch repair. Cellular Localization: Cytoplasm
Molecular Weight:	94 kDa
Gene ID:	8313
UniProt:	Q9Y2T1
Pathways:	Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Application Notes:	IHC-P: 1:100-1:1000. Optimal dilutions/concentrations should be determined by the researcher. Not tested in other applications.
Restrictions:	For Research Use only

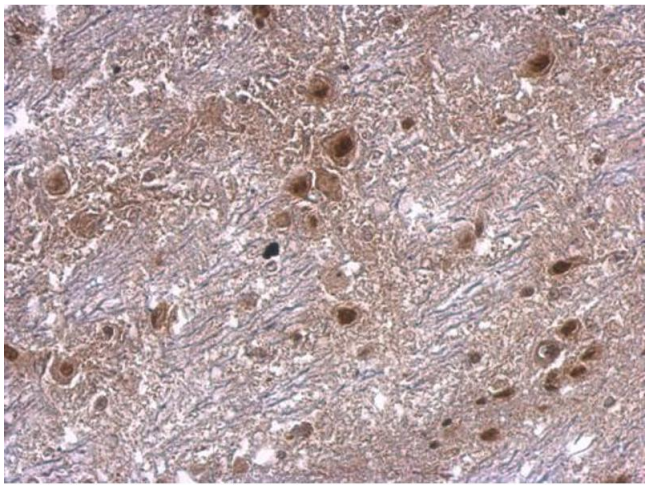
Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	1XPBS (pH 7), 20 % Glycerol, 0.01 % Thimerosal
Preservative:	Thimerosal (Merthiolate)
Precaution of Use:	This product contains Thimerosal (Merthiolate): a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Store as concentrated solution. Centrifuge briefly prior to opening vial. For short-term storage (1-2 weeks), store at 4°C. For long-term storage, aliquot and store at -20°C or below. Avoid

Handling

multiple freeze-thaw cycles.

Images



Immunohistochemistry

Image 1. IHC-P Image axin 2 antibody [N2C2], Internal detects axin 2 protein at cytosol on mouse hind brain by immunohistochemical analysis. Sample: Paraffin-embedded mouse hind brain. axin 2 antibody [N2C2], Internal , dilution: 1:500.