



[Go to Product page](#)

Datasheet for ABIN7145123
anti-Axin antibody (AA 418-707)

1 Image

Overview

Quantity:	100 µg
Target:	Axin (AXIN1)
Binding Specificity:	AA 418-707
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Axin antibody is un-conjugated
Application:	ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	Recombinant Human Axin-1 protein (418-707AA)
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	>95%, Protein G purified

Target Details

Target:	Axin (AXIN1)
Alternative Name:	AXIN1 (AXIN1 Products)
Background:	Background: Component of the beta-catenin destruction complex required for regulating CTNNB1 levels through phosphorylation and ubiquitination, and modulating Wnt-signaling.

Target Details

Controls dorsoventral patterning via two opposing effects, down-regulates CTNNB1 to inhibit the Wnt signaling pathway and ventralize embryos, but also dorsalizes embryos by activating a Wnt-independent JNK signaling pathway. In Wnt signaling, probably facilitates the phosphorylation of CTNNB1 and APC by GSK3B. Likely to function as a tumor suppressor. Facilitates the phosphorylation of TP53 by HIPK2 upon ultraviolet irradiation. Enhances TGF-beta signaling by recruiting the RNF111 E3 ubiquitin ligase and promoting the degradation of inhibitory SMAD7. Also component of the AXIN1-HIPK2-TP53 complex which controls cell growth, apoptosis and development.

Aliases: AI316800 antibody, AXIN antibody, Axin 1 antibody, Axin-1 antibody, axin1 antibody, AXIN1_HUMAN antibody, Axis inhibition protein 1 antibody, Axis Inhibitor 1 antibody, Fu antibody, fused antibody, Fused, mouse, homolog of antibody, hAxin antibody, Kb antibody, Ki antibody, kinky antibody, knobby antibody, MGC132911 antibody, MGC52315 antibody, PPP1R49 antibody, Protein Fused antibody, Protein phosphatase 1 regulatory subunit 49 antibody

UniProt: [O15169](#)

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

Application Details

Application Notes: Recommended dilution: IHC:1:20-1:200,

Restrictions: For Research Use only

Handling

Format: Liquid

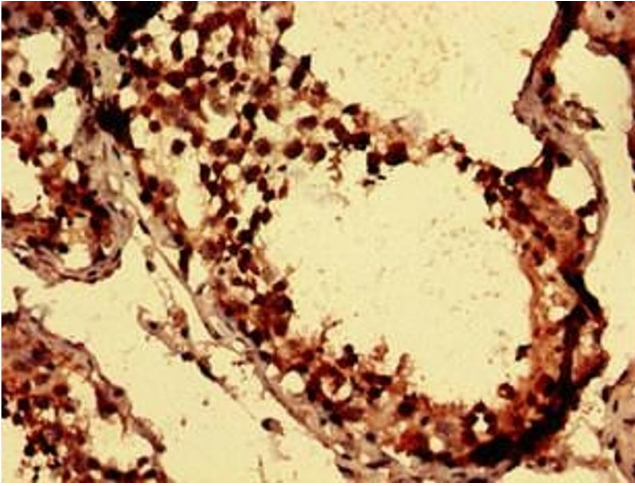
Buffer: Preservative: 0.03 % Proclin 300
Constituents: 50 % Glycerol, 0.01M PBS, PH 7.4

Preservative: ProClin

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

Storage: -20 °C,-80 °C

Storage Comment: Upon receipt, store at -20°C or -80°C. Avoid repeated freeze.



Immunohistochemistry

Image 1. Immunohistochemistry analysis of human testis tissue using ABIN7145123 at dilution of 1:100