

Datasheet for ABIN3030088
anti-Axin antibody (AA 330-359)



[Go to Product page](#)

2 Images

Overview

Quantity:	0.4 mL
Target:	Axin (AXIN1)
Binding Specificity:	AA 330-359
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Axin antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Immunogen:	A portion of amino acids 330-359 from the human protein was used as the immunogen for this AXIN1 antibody.
Isotype:	Ig Fraction
Cross-Reactivity (Details):	Expected species reactivity: Mouse, Rat
Purification:	Antigen affinity purified

Target Details

Target:	Axin (AXIN1)
Alternative Name:	AXIN1 (AXIN1 Products)
Background:	AXIN1 is a component of the beta-catenin destruction complex required for regulating CTNNB1

Target Details

levels through phosphorylation and ubiquitination, and modulating Wnt-signaling. 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. [UniProt]

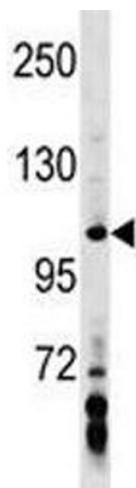
UniProt:	O15169
Pathways:	WNT Signaling , Sensory Perception of Sound , Regulation of G-Protein Coupled Receptor Protein Signaling

Application Details

Application Notes:	Titration of the AXIN1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.\. Western blot: 1:1000
Restrictions:	For Research Use only

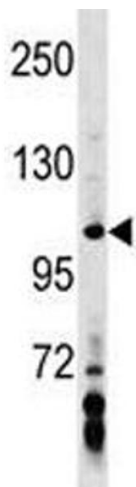
Handling

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 AXIN1 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.



Western Blotting

Image 1. AXIN1 antibody western blot analysis in MDA-MB453 lysate. Predicted molecular weight: 95-110 kDa.



Western Blotting

Image 2. AXIN1 antibody western blot analysis in MDA-MB453 lysate. Predicted molecular weight: 95-110 kDa.