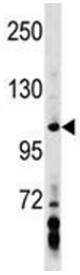
AXIN1 Antibody (F45423)

Catalog No.	Formulation	Size
F45423-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F45423-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Predicted Reactivity	Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity
UniProt	O15169
Applications	Western Blot : 1:1000
Limitations	This AXIN1 antibody is available for research use only.



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

Description

AXIN1 is a component of the beta-catenin destruction complex required for regulating CTNNB1 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]

Explore our AXIN1 Antibody / Wnt Signaling Scaffold Protein Antibody page for additional validation data and applications involving Wnt signaling, beta-catenin regulation, and developmental pathway control.

Application Notes

Titration of the AXIN1 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

A portion of amino acids 330-359 from the human protein was used as the immunogen for this AXIN1 antibody.

Storage

Aliquot the AXIN1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.