

Product datasheet for **TA356231**

Axin1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Reactivity:	Mouse
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	The immunogen is a synthetic peptide directed towards the N-terminal region of Mouse Axin1
Specificity:	Expected reactivity: Mouse, Human
Formulation:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose. <i>Note that this product is shipped as lyophilized powder to China customers.</i>
Concentration:	lot specific
Purification:	Affinity Purified
Conjugation:	Unconjugated
Storage:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	110kDa
Gene Name:	axin 1
Database Link:	XP_920000 Entrez Gene 12005 Mouse O70239



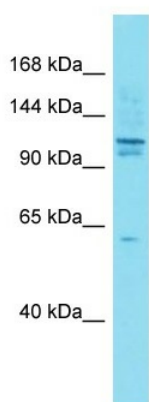
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Background:

Axin1 is a component of the beta-catenin destruction complex required for regulating CTNNB1 levels through phosphorylation and ubiquitination, and modulating Wnt-signaling. Axin1 controls dorsoventral patterning via two opposing effects; down-regulates beta-catenin to inhibit the Wnt signaling pathway and ventralize embryos, but also dorsalizes embryos by activating a Wnt-independent JNK signaling pathway. It also facilitates the phosphorylation of APC by GSK3B, facilitates the phosphorylation of TP53 by HIPK2 upon ultraviolet irradiation and enhances TGF-beta signaling by recruiting the RNF111 E3 ubiquitin ligase and promoting the degradation of inhibitory SMAD7.

Synonyms:

AXIN; hAxin; MGC52315

Product images:

Host: Rabbit
Target Name: Axin1
Sample Type: Mouse Testis lysates
Antibody Dilution: 1.0ug/ml