

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Axin-2 in direct ELISAs. In this format, no cross-reactivity with recombinant human Axin-1 is observed.
Source	Monoclonal Mouse IgG ₁ Clone # 354214
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Axin-2 Tyr550-Gln760 Accession # Q9Y2T1
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Immunocytochemistry Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Axin-2, also known as Conductin, is a 95 kDa cytoplasmic protein that inhibits Wnt signaling and promotes epithelial-mesenchymal transition. Axin 2 binds to β -catenin, glycogen synthase kinase-3 (GSK-3 β), and the tumor suppressor APC. Loss of Axin-2 function is linked to carcinogenesis as well as abnormal bone and tooth development. Within aa 550-760, human Axin-2 shares 82% aa sequence identity with mouse and rat Axin-2.

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