

## Axin2 Conjugated Antibody

Catalog No: #C49509



Package Size: #C49509-AF350 100ul #C49509-AF405 100ul #C49509-AF488 100ul

#C49509-AF555 100ul #C49509-AF594 100ul #C49509-AF647 100ul

#C49509-AF680 100ul #C49509-AF750 100ul #C49509-Biotin 100ul

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## Description

Product Name	Axin2 Conjugated Antibody
Host Species	Rabbit
Clonality	Monoclonal
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Conjugates	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Other Names	Axil antibody Axin like protein antibody Axin-2 antibody Axin-like protein antibody Axin2 antibody AXIN2_HUMAN antibody Axis inhibition protein 2 antibody Conductin antibody DKFZp781B0869 antibody MGC10366 antibody MGC126582 antibody
Accession No.	Swiss-Prot#:Q9Y2T1
Uniprot	Q9Y2T1
GeneID	8313;
Excitation Emission	AF350: 346nm/442nm AF405: 401nm/421nm AF488: 493nm/519nm AF555: 555nm/565nm AF594: 591nm/614nm AF647: 651nm/667nm AF680: 679nm/702nm AF750: 749nm/775nm
Calculated MW	94 kDa
Formulation	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Storage	Store at 4°C in dark for 6 months

## Application Details

## Suggested Dilution:

AF350 conjugated: most applications: 1: 50 - 1: 250

AF405 conjugated: most applications: 1: 50 - 1: 250

AF488 conjugated: most applications: 1: 50 - 1: 250

AF555 conjugated: most applications: 1: 50 - 1: 250

AF594 conjugated: most applications: 1: 50 - 1: 250

AF647 conjugated: most applications: 1: 50 - 1: 250

AF680 conjugated: most applications: 1: 50 - 1: 250

AF750 conjugated: most applications: 1: 50 - 1: 250

## Background

b-catenin is a component of both the cadherin cell adhesion system and the Wnt signaling pathway. Wnt signaling increases the amount of b-catenin, by preventing its ubiquitination and degradation, allowing its direct interaction with transcription factors of the lymphoid enhancer factor-T cell factor family and modulation of gene expression. Axin is involved in the degradation of b-catenin by acting as a scaffold to form a complex between b-catenin, adenomatous polyposis coli (APC) and GSK-3b. APC, which is phosphorylated by GSK-3b, induces degradation of b-catenin, thus inhibiting Wnt signal transduction. Conductin is 45% identical to axin and appears to play a similar role to axin in the Wnt signaling pathway.

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Note: This product is for in vitro research use only