

Recombinant Human AXIN2 293 Cell Lysate

Cat. No. AXIN2-8554HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for axin 2 (AXIN2) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid (True ORF cDNA clone RC210931, OriGene Technologies, Inc.) and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

AXIN2 axin 2 [Homo sapiens]

Official Symbol

AXIN2

Synonyms

AXIN2; axin 2; axin-2; axil; conductin; DKFZp781B0869; MGC126582; axin-like protein; axis inhibition protein 2; AXIL; MGC10366;

Gene ID

8313

mRNA Refseq

NM_004655

Protein Refseq

NP_004646

MIM

604025

UniProt ID

Q9Y2T1

**Chromosome
Location**

17q23-q24

Pathway

Basal cell carcinoma, organism-specific biosystem; Basal cell carcinoma, conserved biosystem; Canonical Wnt signaling pathway, organism-specific biosystem; Colorectal cancer, organism-specific biosystem; Colorectal cancer, conserved biosystem; Endometrial cancer, organism-specific biosystem; Endometrial cancer, conserved biosystem;

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Function

GTPase activator activity; I-SMAD binding; armadillo repeat domain binding; beta-catenin binding; beta-catenin binding; enzyme binding; protein kinase binding; signal transducer activity; ubiquitin protein ligase binding;

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