Recombinant Human ARRB1 293 Cell Lysate

Cat. No. ARRB1-8679HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for arrestin, beta 1 (ARRB1), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid 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	ARRB1 arrestin, beta 1 [Homo sapiens]
Official Symbol	ARRB1
Synonyms	ARRB1; arrestin, beta 1; ARR1; beta-arrestin-1; arrestin 2; ARB1;
Gene ID	408
mRNA Refseq	NM_004041
Protein Refseq	NP_004032
MIM	107940
UniProt ID	P49407
Chromosome Location	11q13
Pathway	Activated NOTCH1 Transmits Signal to the Nucleus, organism-specific biosystem; CXCR3-mediated signaling events, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Chemokine signaling pathway, organism-specific biosystem; Chemokine signaling pathway, conserved biosystem; Clathrin derived vesicle budding, organism-specific biosystem; Endocytosis, organism-specific biosystem;

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Function	GTPase activator activity; angiotensin receptor binding; enzyme inhibitor activity; NOT histone acetyltransferase activity; insulin-like growth factor receptor binding; protein binding; transcription factor binding; transcription regulatory region DNA binding; ubiquitin protein ligase binding;

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