

Recombinant Human ALDH1A2 293 Cell Lysate

Cat. No. ALDH1A2-8921HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for aldehyde dehydrogenase 1 family, member A2 (ALDH1A2), transcript variant 2 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.
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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name [ALDH1A2?aldehyde dehydrogenase 1 family, member A2 \[?Homo sapiens\(human\) \]](#)

Official Symbol [ALDH1A2](#)

Synonyms [ALDH1A2](#); aldehyde dehydrogenase 1 family, member A2; [RALDH2](#); [RALDH2-T](#); [RALDH\(II\)](#); retinal dehydrogenase 2; [RALDH 2](#); retinaldehyde-specific dehydrogenase type 2; [NP_001193826.1](#); [EC 1.2.1.36](#); [NP_003879.2](#); [NP_733797.1](#); [NP_733798.1](#)

Gene ID [8854](#)

mRNA Refseq [NM_170696](#)

Protein Refseq [NP_733797](#)

MIM [603687](#)

UniProt ID [O94788](#)

Chromosome Location [15q21.3](#)

Pathway [Retinol metabolism, organism-specific biosystem](#); [Retinol metabolism, conserved biosystem](#); [Tryptophan metabolism, organism-specific biosystem](#); [retinoate biosynthesis I, conserved biosystem](#)

Function [3-chloroallyl aldehyde dehydrogenase activity](#); [retinal binding](#); [retinal dehydrogenase](#)

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