

Recombinant Human ABP1 293 Cell Lysate

Cat. No. ABP1-9123HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for amiloride binding protein 1 (amine oxidase (copper-containing)) (ABP1) 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

[ABP1 amiloride binding protein 1 \(amine oxidase \(copper-containing\)\) \[Homo sapiens \]](#)

Official Symbol

ABP1

Synonyms

ABP1; amiloride binding protein 1 (amine oxidase (copper-containing)); amiloride-sensitive amine oxidase [copper-containing]; AOC1; DAO; histaminase; diamine oxidase; kidney amine oxidase; amiloride-binding protein-1; amiloride-sensitive amine oxidase; ABP; KAO; DAO1;

Gene ID

[26](#)

mRNA Refseq

[NM_001091](#)

Protein Refseq

[NP_001082](#)

MIM

[104610](#)

UniProt ID

[P19801](#)

Chromosome Location

7q34-qter

Pathway

Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; Histidine metabolism, organism-specific

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biosystem; Histidine metabolism, conserved biosystem; Tryptophan metabolism, organism-specific biosystem; Tryptophan metabolism, organism-specific biosystem; Tryptophan metabolism, conserved biosystem;

Function

calcium ion binding; cation channel activity; copper ion binding; diamine oxidase activity; drug binding; heparin binding; histamine oxidase activity; methylputrescine oxidase activity; oxidoreductase activity; primary amine oxidase activity; propane-1,3-diamine oxidase activity; protein complex binding; protein homodimerization activity; quinone binding; receptor activity; sodium channel activity; zinc ion binding;

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