

ARG55116 anti-ABP1 antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes ABP1
Tested Reactivity	Hu, Ms, Rat
Tested Application	ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ABP1
Species	Human
Immunogen	Recombinant protein of Human ABP1 (Swiss: P19801)
Conjugation	Un-conjugated
Alternate Names	Amine oxidase copper domain-containing protein 1; Amiloride-binding protein 1; Histaminase; KAO; DAO; ABP1; DAO1; Amiloride-sensitive amine oxidase [copper-containing]; ABP; Kidney amine oxidase; Diamine oxidase; EC 1.4.3.22

Application Instructions

Application table	Application	Dilution
	ICC/IF	1:50 - 1:200
	WB	1:500 - 1:2000
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Mouse liver and Rat kidney	

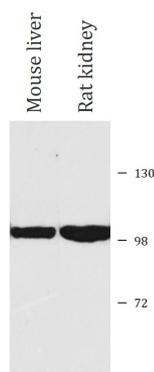
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 26 Human Swiss-port # P19801 Human
Gene Symbol	AOC1
Gene Full Name	amine oxidase, copper containing 1
Background	This gene encodes a metal-binding membrane glycoprotein that oxidatively deaminates putrescine, histamine, and related compounds. The encoded protein is inhibited by amiloride, a diuretic that acts by closing epithelial sodium ion channels. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jan 2013]
Function	Catalyzes the degradation of compounds such as putrescine, histamine, spermine, and spermidine, substances involved in allergic and immune responses, cell proliferation, tissue differentiation, tumor formation, and possibly apoptosis. Placental DAO is thought to play a role in the regulation of the female reproductive function. [UniProt]
Research Area	Cell Biology and Cellular Response antibody
Calculated Mw	85 kDa
PTM	Topaquinone (TPQ) is generated by copper-dependent autoxidation of a specific tyrosyl residue.

Images



ARG55116 anti-AOC1 / ABP1 antibody WB image

Western blot: Mouse liver and Rat kidney lysates stained with ARG55116 anti-AOC1 / ABP1 antibody.