

## ARG45442 anti-ABP1 antibody

Package: 50 µg  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes ABP1
Tested Reactivity	Hu, Mk
Tested Application	FACS, ICC/IF, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ABP1
Species	Human
Immunogen	Recombinant protein containing to human ABP1.
Conjugation	Un-conjugated
Alternate Names	AOC1; 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
	FACS	1 - 3 µg/10 <sup>6</sup> cells
	ICC/IF	5 µg/ml
	IHC-P	2-5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	90 kDa	

### Properties

Form	Powder
Purification	Affinity purified
Buffer	0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
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 or below. 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.

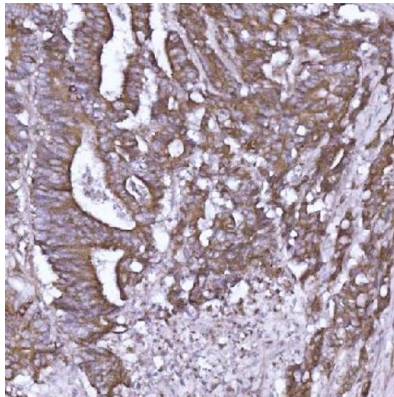
Note

For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

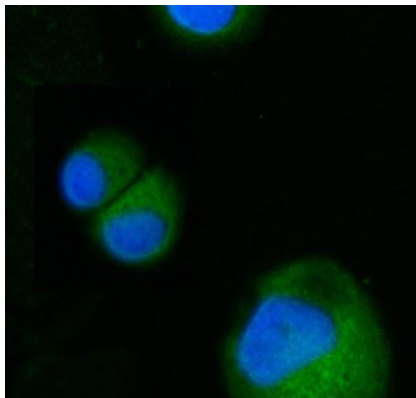
Gene Symbol	AOC1
Gene Full Name	amine oxidase, copper containing 1
Background	This gene encodes a metal-binding membrane glycoprotein that oxidatively deaminates putrescine, histamine, and related compounds. The encoded protein is inhibited by amiloride, a diuretic that acts by closing epithelial sodium 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]
Calculated Mw	85 kDa
PTM	Topaquinone (TPQ) is generated by copper-dependent autoxidation of a specific tyrosyl residue. [UniProt]
Cellular Localization	Cell membrane. [UniProt]

## Images



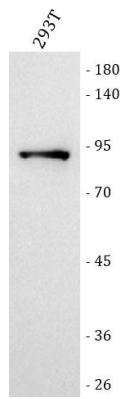
ARG45442 anti-ABP1 antibody IHC-P image

Immunohistochemistry: Human colorectal adenocarcinoma stained with ARG45442 anti-ABP1 antibody at 2 µg/ml dilution.



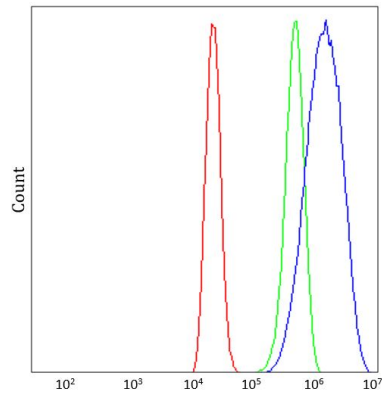
ARG45442 anti-ABP1 antibody ICC/IF image

Immunofluorescence: T-47D stained with ARG45442 anti-ABP1 antibody at 5 µg/ml dilution.



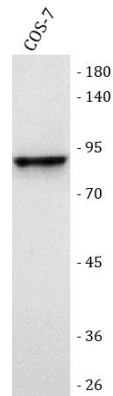
#### ARG45442 anti-ABP1 antibody WB image

Western blot: 293T stained with ARG45442 anti-ABP1 antibody at 0.5  $\mu\text{g/ml}$  dilution.



#### ARG45442 anti-ABP1 antibody FACS image

Flow Cytometry: THP-1 stained with ARG45442 anti-ABP1 antibody at 1  $\mu\text{g}/10^6$  cells dilution.



#### ARG45442 anti-ABP1 antibody WB image

Western blot: COS-7 stained with ARG45442 anti-ABP1 antibody at 0.5  $\mu\text{g/ml}$  dilution.