



Anti-AOC1 (aa 501-599) polyclonal antibody (DPAB-DC1266)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	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.
Immunogen	ABP1 (NP_001082, 501 a.a. ~ 599 a.a) partial recombinant protein with GST tag. The sequence is LHTHLIGNIHHTLVHYRVDLDVAGTKNSFQTLQMKLENITNPWSPRHRVVQPTLEQTQYS WERQAAFRFKRKLPKYLLFTSPQENPWGHKRSYRLQIHS
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Tissue lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name [AOC1 amine oxidase, copper containing 1 \[Homo sapiens \(human\) \]](#)

Official Symbol	AOC1
Synonyms	AOC1; amine oxidase, copper containing 1; ABP; DAO; KAO; ABP1; DAO1; amiloride-sensitive amine oxidase [copper-containing]; histaminase; diamine oxidase; kidney amine oxidase; amiloride-binding protein 1; amiloride-sensitive amine oxidase; amine oxidase copper domain-containing protein 1; amiloride binding protein 1 (amine oxidase (copper-containing));
Entrez Gene ID	26
Protein Refseq	NP_001082
UniProt ID	P19801
Chromosome Location	7q36.1
Pathway	Arginine and proline metabolism; Histidine metabolism; Tryptophan metabolism; histamine degradation.
Function	calcium ion binding; cation channel activity; copper ion binding; diamine oxidase activity