



## 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

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

### GENE INFORMATION

<b>Gene Name</b>	<a href="#">AOC1 amine oxidase, copper containing 1 [ Homo sapiens (human) ]</a>
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<b>Official Symbol</b>	AOC1
<b>Synonyms</b>	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));
<b>Entrez Gene ID</b>	<a href="#">26</a>
<b>Protein Refseq</b>	<a href="#">NP_001082</a>
<b>UniProt ID</b>	<a href="#">P19801</a>
<b>Chromosome Location</b>	7q36.1
<b>Pathway</b>	Arginine and proline metabolism; Histidine metabolism; Tryptophan metabolism; histamine degradation.
<b>Function</b>	calcium ion binding; cation channel activity; copper ion binding; diamine oxidase activity

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