

Basic Information

Product Name	Anti-ABP1/AOC1 Antibody	
Gene Name	AOC1	
Source	Rabbit	
Clonality	Polyclonal	
Isotype	IgG	
Species Reactivity	human, monkey	
Tested Application	WB, IHC, ICC/IF	
Contents	500 ug/ml antibody with PBS, 0.02% NaN ₃ , 1 mg/ml BSA and 50% glycerol.	
Immunogen	A synthetic peptide corresponding to a sequence at the N-terminus of human ABP1 different from the related mouse sequence by ten amino acids, and from the related rat sequence by eight amino acids.	
Concentration	500 ug/ml	
Purification	Immunogen affinity purified.	
Observed MW	85 kDa	
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Immunocytochemistry/Immunofluorescence (ICC/IF): 1:50-400 (Boiling the paraffin sections in 10mM citrate buffer, pH6.0, or PH8.0 EDTA repair liquid for 20 mins is required for the staining of formalin/paraffin sections.) Optimal working dilutions must be determined by end user.	

Storage

12 months from date of receipt, -20°C as supplied.

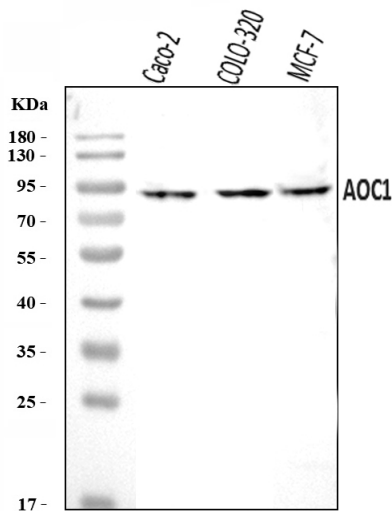
Background Information

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. 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.

Reference

Anti-ABP1/AOC1 Antibody被引用在1文献中。

Selected Validation Data



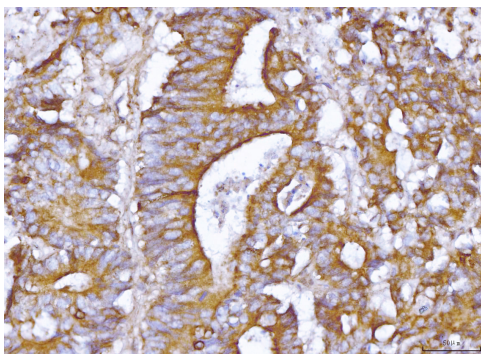
Western blot analysis of ABP1/AOC1 using anti-ABP1/AOC1 antibody (PB1074). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human 293T whole cell lysates,

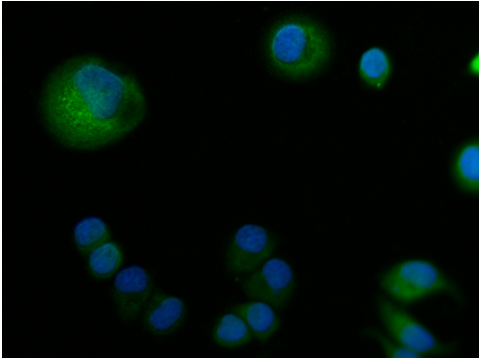
Lane 2: human HK-2 whole cell lysates,

Lane 3: COS-7 whole cell lysates.

After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-ABP1/AOC1 antigen affinity purified polyclonal antibody (PB1074) at a dilution of 1:1000 and probed with a goat anti-rabbit IgG-HRP secondary antibody (Catalog # BA1054). The signal is developed using ECL Plus Western Blotting Substrate (Catalog # AR1197). A specific band was detected for ABP1/AOC1 at approximately 85 kDa. The expected band size for ABP1/AOC1 is at 85 kDa.



IHC analysis of ABP1/AOC1 using anti-ABP1/AOC1 antibody (PB1074). ABP1/AOC1 was detected in a paraffin-embedded section of human Colonic adenoma tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-ABP1/AOC1 Antibody (PB1074) at a dilution of 1:200 and developed using Streptavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.



IF analysis of ABP1/AOC1 using anti-ABP1/AOC1 antibody (PB1074). ABP1/AOC1 was detected in an immunocytochemical section of T-47D cells. The section was incubated with rabbit anti-ABP1/AOC1 Antibody (PB1074) at a dilution of 1:100. DyLight®488 Conjugated Goat Anti-Rabbit IgG (Green) (Catalog # BA1127) was used as secondary antibody. The section was counterstained with DAPI (Catalog # AR1176) (Blue).