Product datasheet

Anti-ABP1/AOC1 Antibody

Catalog Number: *A08386-1*

BOSTER
antibody and ELISA experts
BOSTER BIOLOGICAL TECHNOLOGY
Building C21, 3rd to 5th Floors, Optics Valley Biopharmaceutical Accelerator,
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Basic Information

Product Name	Anti-ABP1/AOC1 Antibody
Gene Name	AOC1
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human
Tested Application	WB, IHC, ICC/IF, FCM, ELISA
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human ABP1/AOC1 recombinant protein (Position: S140-R180).
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 Flow Cytometry (Fixed): 1:50-200 Enzyme linked immunosorbent assay (ELISA): 1:100-1000 (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℃ 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.

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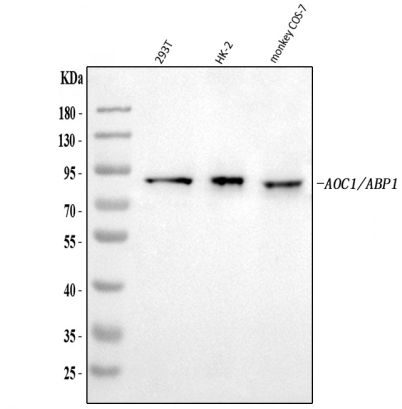
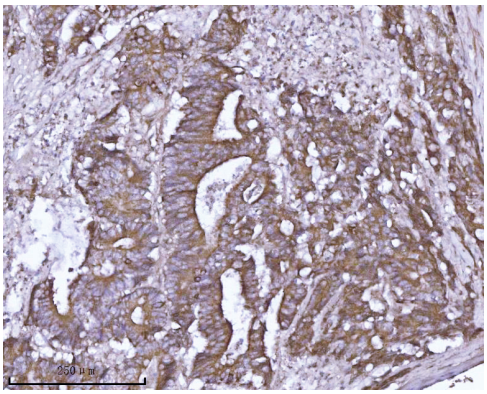
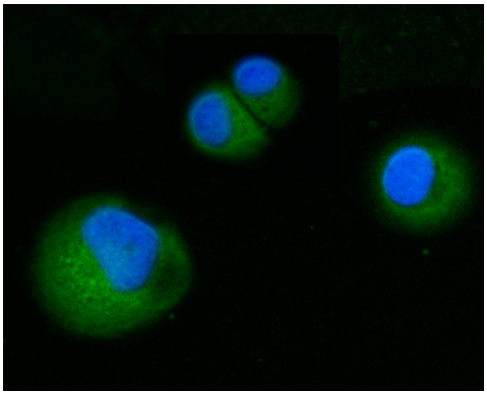
Selected Validation Data



Western blot analysis of ABP1/AOC1 using anti-ABP1/AOC1 antibody (A08386-1). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: 293T whole cell lysates,
Lane 2: HK-2 whole cell lysates,
Lane 3: monkey 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 (A08386-1) 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 (A08386-1). ABP1/AOC1 was detected in a paraffin-embedded section of human Colorectal adenocarcinoma tissue. Biotinylated goat anti-rabbit IgG was used as secondary antibody. The tissue section was incubated with rabbit anti-ABP1/AOC1 Antibody (A08386-1) at a dilution of 1:200 and developed using Strepavidin-Biotin-Complex (SABC) (Catalog # SA1022) with DAB (Catalog # AR1027) as the chromogen.



IF analysis of ABP1/AOC1 using anti-ABP1/AOC1 antibody (A08386-1). ABP1/AOC1 was detected in an immunocytochemical section of T-47D cells. The section was incubated with rabbit anti-ABP1/AOC1 Antibody (A08386-1) 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).

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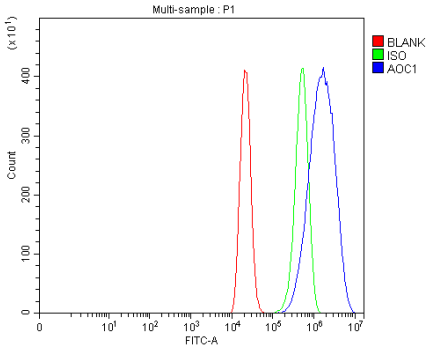

Flow Cytometry analysis of THP-1 cells using anti-ABP1/AOC1 antibody (A08386-1).
Overlay histogram showing THP-1 cells stained with A08386-1 (Blue line). The cells were fixed with 4% paraformaldehyde and blocked with 10% normal goat serum. And then incubated with rabbit anti-ABP1/AOC1 Antibody (A08386-1) at 1:100 dilution for 30 min at 20°C. DyLight®488 conjugated goat anti-rabbit IgG (BA1127) was used as secondary antibody at 1:100 dilution for 30 minutes at 20°C. Isotype control antibody (Green line) was rabbit IgG at 1:100 dilution used under the same conditions. Unlabelled sample without incubation with primary antibody and secondary antibody (Red line) was used as a blank control.