Product datasheet

Anti-AAMP Antibody

Catalog Number: *PB9123*

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-AAMP Antibody
Gene Name	AAMP
Source	Rabbit
Clonality	Polyclonal
Isotype	IgG
Species Reactivity	human, mouse, rat
Tested Application	WB, IHC, FCM
Contents	500 ug/ml antibody with PBS, 0.02% NaN3, 1 mg/ml BSA and 50% glycerol.
Immunogen	E.coli-derived human AAMP recombinant protein (Position: E235-R434).
Concentration	500 ug/ml
Purification	Immunogen affinity purified.
Observed MW	52 kDa
Dilution Ratios	Western blot (WB): 1:500-2000 Immunohistochemistry (IHC): 1:50-400 Flow Cytometry (Fixed): 1:50-200 (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

AAMP, also known as Angio-associated, migratory cell protein, is a protein which in humans is encoded by the AAMP gene. It is mapped to 2q35. The gene product of AAMP is an immunoglobulin-type protein, which is found to be expressed strongly in endothelial cells, cytotrophoblasts, and poorly differentiated colon adenocarcinoma cells found in lymphatics. It has been demonstrated that an AAMP peptide containing the putative heparan sulfate-binding domain binds to heparin and mediates heparin-sensitive cell adhesion. AAMP plays a role in angiogenesis and cell migration. In smooth muscle cell migration, it may act through the RhoA pathway.

Selected Validation Data

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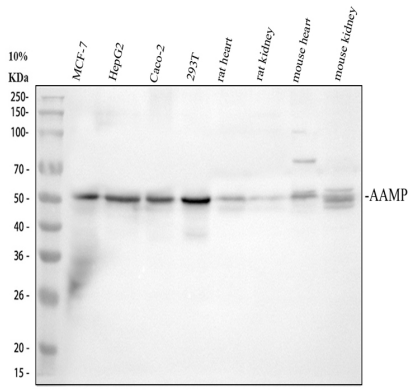
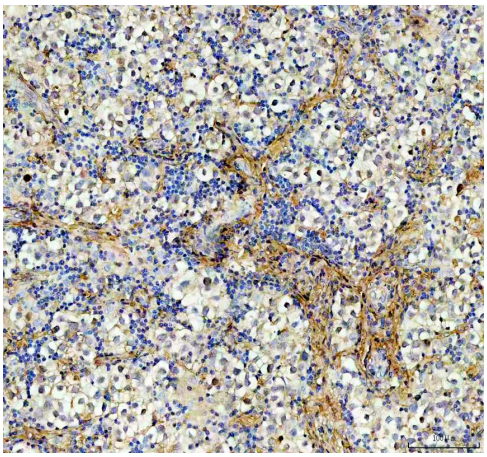


Western blot analysis of ELA2/ELANE using anti-ELA2/ELANE antibody (PB1114). The sample well of each lane was loaded with 30 ug of sample under reducing conditions.
Lane 1: human MCF-7 whole cell lysates,
Lane 2: human HepG2 whole cell lysates,
Lane 3: human Caco-2 whole cell lysates,
Lane 4: human 293T whole cell lysates,
Lane 5: rat heart tissue lysates,
Lane 6: rat kidney tissue lysates,
Lane 7: mouse heart tissue lysates,
Lane 8: mouse kidney tissue lysates.
After electrophoresis, proteins were transferred to a membrane. Then the membrane was incubated with rabbit anti-ELA2/ELANE antigA03957-Aen affinity purified polyclonal antibody (PB1114) 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 ELA2/ELANE at approximately 52 kDa. The expected band size for ELA2/ELANE is at 47 kDa.



IHC analysis of ELA2/ELANE using anti-ELA2/ELANE antibody (PB1114).
ELA2/ELANE was detected in a paraffin-embedded section of human testis cancer tissue. The tissue section was incubated with rabbit anti-ELA2/ELANE Antibody (PB1114) at a dilution of 1:200 and developed using HRP Conjugated Rabbit IgG Super Vision Assay Kit (Catalog # SV0002) with DAB (Catalog # AR1027) as the chromogen.

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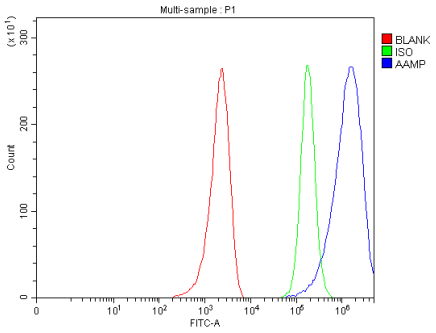

Flow Cytometry analysis of MCF-7 cells using anti-ELA2/ELANE antibody (PB1114).
Overlay histogram showing MCF-7 cells stained with PB1114 (Blue line). To facilitate intracellular staining, cells were fixed with 4% paraformaldehyde and permeabilized with permeabilization buffer. The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-ELA2/ELANE Antibody (PB1114) at 1:100 dilution for 30 min at 20°C. Fluoro488 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.