BOSTER BIOLOGICAL TECHNOLOGY
3942 B Valley Ave, Pleasanton, CA 94566
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Anti-ABCA7 Antibody

Catalog Number: A03163

About ABCA7

ATP-binding cassette (ABC) transporters are an evolutionarily conserved family that use ATP hydrolysis to catalyze the transport of various molecules across cell membranes. They are divided into seven distinct subfamilies (ABC1, MDR/TAP, MRP, ALD, OABP, GCN20, White). ABCA7, a member of the ABC1 subfamily, is a full-size ABC transporter consisting of two sets of the multiple membrane-spanning domains plus the Walker motifs for the ATP interaction. ABCA7 shows the highest homology to ABCA1, an essential molecule for cholesterol homeostasis. The high expression levels of ABCA7 in peripheral leukocytes, thymus, spleen and bone marrow suggests a role in the immune system lipid homeostasis.

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Overview

Product Name	Anti-ABCA7 Antibody
Reactive Species	Human
Description	Boster Bio Anti-ABCA7 Antibody (Catalog # A03163). Tested in ELISA, WB, IHC-P, ICC, IF applications. This antibody reacts with Human.
Application	ELISA, IF, IHC-P, ICC, WB
Clonality	Polyclonal
Formulation	ABCA7 Antibody is supplied in PBS containing ≤0.09% sodium azide.
Storage Instructions	ABCA7 antibody can be stored at 4°C, stable for up to one year. Avoid repeated freeze-thaw cycles. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q8IZY2

Technical Details

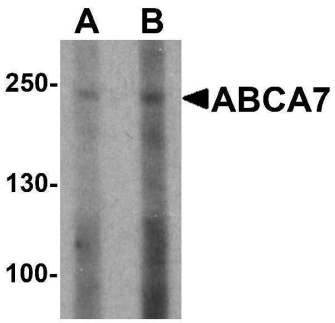
Immunogen	ABCA7 antibody was raised against an 18 amino acid synthetic peptide near the amino terminus of human ABCA7. The immunogen is located within amino acids 130 - 180 of ABCA7.
Predicted Reactive Species	Chicken
Cross Reactivity	ABCA7 antibody is predicted to not cross-react with other ABC1 subfamily proteins.

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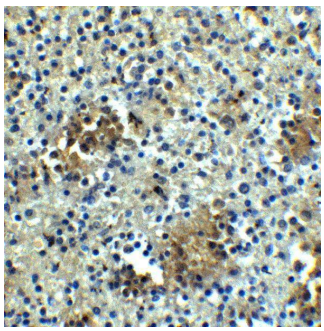
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL
Purification	ABCA7 Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	ABCA7 antibody can be used for detection of ABCA7 by Western blot at 1 - 2 ug/mL. Antibody can also be used for immunocytochemistry starting at 5 ug/mL and immunohistochemistry starting at 5 ug/mL. For immunofluorescence start at 5 ug/mL. Antibody validated: Western Blot in human samples; Immunohistochemistry in human samples; Immunocytochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested. Optimal dilutions for each application should be determined by the researcher.

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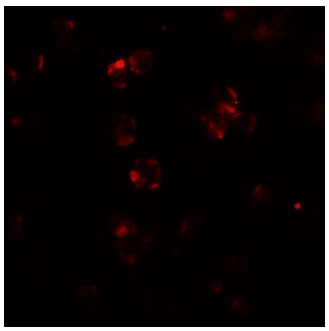
Anti-ABCA7 Antibody (A03163) Images



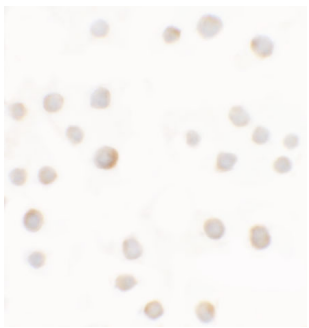
Western blot analysis of ABCA7 in 293 cell lysate with ABCA7 antibody at (A) 1 and (B) 2 ug/mL.



Immunohistochemistry of ABCA7 in human spleen tissue with ABCA7 antibody at 5 ug/mL.



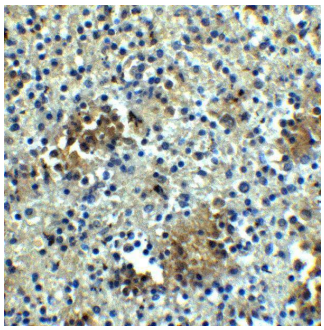
Immunofluorescence of ABCA7 in 293 cells with ABCA7 antibody at 20 ug/mL.

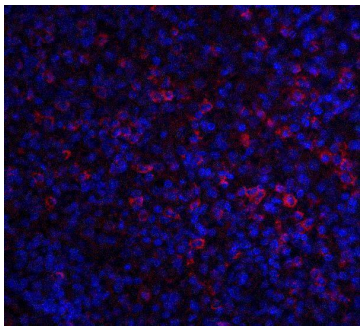


Immunocytochemistry of ABCA7 in 293 cells with ABCA7 antibody at 5 ug/mL.

Immunohistochemistry of ABCA7 in human spleen tissue with ABCA7 antibody at 5ug/ml.

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Immunofluorescence of ABCA7 in human spleen tissue with ABCA7 antibody at 20 ug/ml.Red: ABCA7 Antibody (A03163) Blue: DAPI staining

Anti-ABCA7 Antibody

For Research Use Only. Not for use in diagnostic procedures.