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Anti-Copper-transporting ATPase 2 ATP7B Antibody

Catalog Number: A00686

About ATP7B

Mediates the production of the second messenger molecules diacylglycerol (DAG) and inositol 1,4,5-trisphosphate (IP3). Plays an important role in the regulation of intracellular signaling cascades. Becomes activated in response to ligand-mediated activation of receptor-type tyrosine kinases, such as PDGFRA, PDGFRB, FGFR1, FGFR2, FGFR3 and FGFR4. Plays a role in actin reorganization and cell migration.

Denis Tvorogov, J. Cell Sci., Feb 2005; 118: 601 - 610.
Brenda J. Irvin, Mol. Cell. Biol., Dec 2000; 20: 9149 - 9161.
Benoit Poulin, J. Biol. Chem., Feb 2000; 275: 6411.
Ichiro Nakamura, J. Cell Biol., Jan 2001; 152: 361.

Overview

Product Name	Anti-Copper-transporting ATPase 2 ATP7B Antibody
Reactive Species	Mouse, Rat
Description	Boster Bio Anti-Copper-transporting ATPase 2 ATP7B Antibody catalog # A00686. Tested in WB applications. This antibody reacts with Mouse,Rat.
Application	WB
Clonality	Polyclonal
Formulation	Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2
Storage Instructions	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.
Host	Rabbit
Uniprot ID	P35670

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human ATP7b, different from the related mouse sequence by one amino acid, and from the related rat sequence by three amino acids.
Predicted Reactive Species	Boar, Bovine, Canine, Golden Hamster
Cross Reactivity	No cross reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid

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Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml.
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).
Suggested Dilutions	Dilute the sample so that the expected range of concentrations fall within the detection range of this kit. If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples. Some PubMed article(s) citing the expression level of this target are as follows: Boster Bio's internal QC testing used: WB: 1:500-1:2000

1 Publications Citing This Product

1. PubMed ID: 17171802, Wu Dl, Yi Hx, Sui Fy, Jiang Xh, Jiang Xm, Zhao Yy. World J Gastroenterol. 2006 Dec 21;12(47):7695-8. Expression Of Atp7B In Human Gastric Cardiac Carcinomas In Comparison With Distal Gastric Carcinomas.

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