

Anti-PHAP III ANP32E Antibody

Catalog Number: A07456

About ANP32E

Apoptosis is related to many diseases and development. Caspase-9 plays a central role in cell death induced by a variety of apoptosis activators. Cytochrome c, after released from mitochondria, binds to Apaf-1, which forms an apoptosome that in turn binds to and activate procaspase-9. Activated caspase-9 cleaves and activates the effector caspases (caspase-3, -6 and -7), which are responsible for the proteolytic cleavage of many key proteins in apoptosis. The tumor suppressor putative HLA-DR-associated proteins (PHAPs) were recently identified as important regulators of mitochondrion apoptosis. PHAP appears to facilitate apoptosome-mediated caspase-9 activation and to stimulate the mitochondrial apoptotic pathway. PHAP was also shown to oppose both Ras- and Myc-mediated cell transformation.

Overview

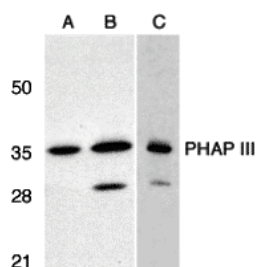
Product Name	Anti-PHAP III ANP32E Antibody
Reactive Species	Human, Mouse, Rat
Description	Boster Bio Anti-PHAP III ANP32E Antibody (Catalog # A07456). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human, Mouse, Rat.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	PHAP III Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	PHAP III antibody can be stored at 4°C up to one year. Antibodies should not be exposed to prolonged high temperatures.
Host	Rabbit
Uniprot ID	Q9BTT0

Technical Details

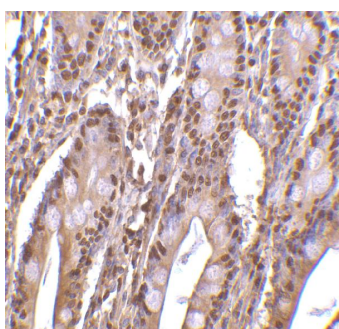
Immunogen	PHAP III antibody was raised with a synthetic peptide corresponding to amino acids close to carboxy terminus of human PHAP III. The immunogen is located within amino acids 200 - 250 of PHAP III.
Predicted Reactive Species	Mouse
Cross Reactivity	PHAP III has no cross-reaction to PHAP I and PHAP I2a.
Isotype	IgG
Form	Liquid
Concentration	1 mg/mL

Purification	PHAP III Antibody is affinity chromatography purified via peptide column.
Suggested Dilutions	<p>Dilute the sample so that the expected range of concentrations fall within the detection range of this kit.</p> <p>If the expected range of concentration is unknown, a pilot test should be conducted to decide the optimal dilution ratio for your samples.</p> <p>Some PubMed article(s) citing the expression level of this target are as follows:</p> <p>Boster Bio's internal QC testing used:</p> <p>PHAP III antibody can be used for detection of PHAP III by Western blot at 1 ug/mL. A band at approximately 35 kDa can be detected. Antibody can also be used for immunohistochemistry starting at 2 ug/mL. For immunofluorescence start at 10 ug/mL.</p> <p>Antibody validated: Western Blot in human and rat samples; Immunohistochemistry 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.</p>

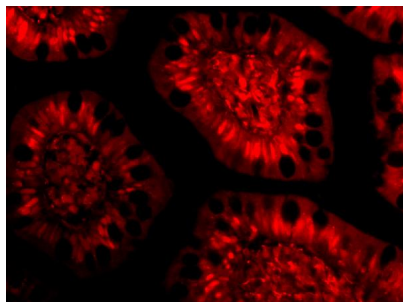
Anti-PHAP III ANP32E Antibody (A07456) Images



Western blot analysis of PHAP III expression in human A549 (A) and HepG2 (B) cells



Immunohistochemistry of PHAP III in human small intestine tissue with PHAP III antibody at 2 ug/mL.



Immunofluorescence of PHAP III in Human Small Intestine cells with PHAP III antibody at 10 ug/mL.

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