BOSTER
antibody and ELISA experts

BOSTER BIOLOGICAL TECHNOLOGY
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Anti-OMI HTRA2 Antibody

Catalog Number: A01941

About HTRA2

Inhibitor of apoptosis proteins (IAPs) were initially identified in baculoviruses as proteins that inhibit apoptosis of the host cells to allow time for viral replication. Cellular homologues containing at least one baculoviral IAP repeat (BIR) motif essential for their anti-apoptosis activity have been identified in yeasts and higher organisms and often act by binding and inhibiting processed caspases. The activity of these proteins can be modulated by the expression of proteins such as Smac/DIABLO and XAF-1 which displace or prevent the binding of caspases by IAPs. Recently, a mitochondrial serine protease termed Omi/HtrA2 has been found to bind IAPs. Similar to Smac, Omi possesses a conserved IAP-binding motif, but acts to cleave IAPs to irreversibly inactivate IAPs and promote apoptosis.

Overview

Product Name	Anti-OMI HTRA2 Antibody
Reactive Species	Human
Description	Boster Bio Anti-OMI HTRA2 Antibody (Catalog # A01941). Tested in ELISA, WB, IHC-P, IF applications. This antibody reacts with Human.
Application	ELISA, IF, IHC-P, WB
Clonality	Polyclonal
Formulation	OMI Antibody is supplied in PBS containing 0.02% sodium azide.
Storage Instructions	OMI antibody can be stored at 4°C for three months and -20°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	O43464

Technical Details

Immunogen	OMI antibody was raised against a peptide corresponding to 16 amino acids near the C-terminus of human Omi. The immunogen is located within amino acids 70 - 120 of OMI.
Predicted Reactive Species	Bovine
Cross Reactivity	SRPK1 antibody is human, mouse and rat reactive. Multiple isoforms of SRPK1 are known to exist; this antibody will detect all except isoforms b and e. SRPK1 antibody is predicted to not cross-react with SRPK2.
Isotype	IgG
Form	Liquid

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Concentration	1 mg/mL
Purification	OMI Antibody is Ion exchange chromatography purified.
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: OMI antibody can be used for detection of OMI by Western blot at 0.5 to 2 ug/mL. Antibody can also be used for immunohistochemistry starting at 2 ug/mL. For immunofluorescence start at 20 ug/mL. Antibody validated: Western Blot in human 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.

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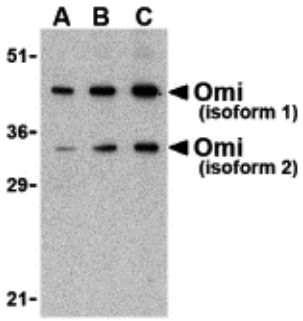
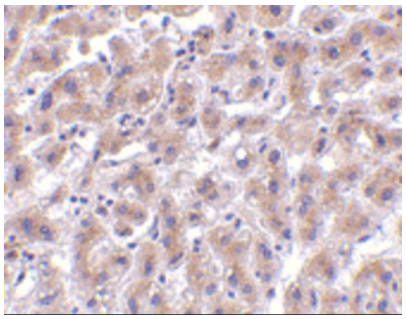
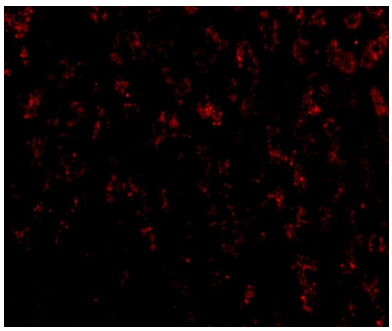
Anti-OMI HTRA2 Antibody (A01941) Images



Western blot analysis of OMI in U937 lysate with Omi antibody at (A) 0.5



Immunohistochemistry of OMI in human liver tissue with OMI antibody at 2 ug/mL.



Immunofluorescence of OMI in Human Liver cells with OMI antibody at 20 ug/mL.