Rabbit anti-Human OMI Polyclonal Antibody | anti-HTRA2 antibody

OMI Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA39907	**Rabbit**	**Human**	**Immunofluorescence, Immunohistochemistry, Western Blot, ELISA**

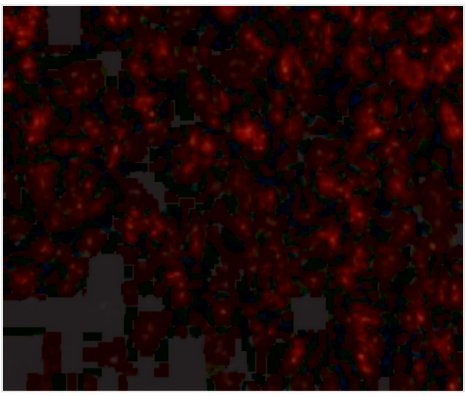
PRODUCT SYNONYMS

OMI; Polyclonal Antibody; OMI Antibody; PARK13; PRSS25; Serine protease HTRA2; mitochondrial; High temperature requirement protein A2; HtrA2; HtrA serine peptidase 2; anti-HTRA2 antibody

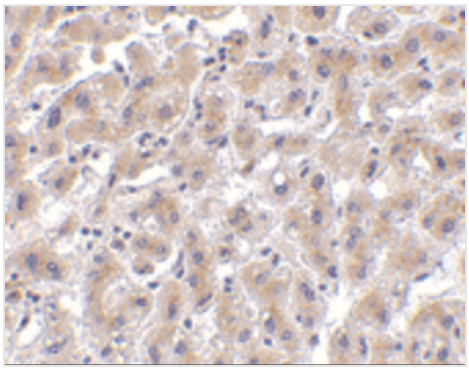
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	OMI Antibody is Ion exchange chromatography purified.
Form/Format	Liquid
Concentration	1 mg/mL (varies by lot)
Sequence Length	458
Applicable Applications for anti-HTRA2 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Conjugate	Unconjugated
Immunogen	OMI antibody was raised against a peptide corresponding to 16 amino acids near the C-terminus of human Omi.
Buffer	OMI Antibody is supplied in PBS containing 0.02% sodium azide.
Preparation and Storage	OMI antibody can be stored at 4 degree C for three months and -20 degree C, stable for up to one year. As with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.

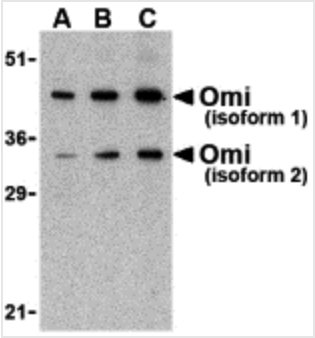
IMAGES



IF (Immunofluorescence)
Immunofluorescence of OMI in Human Liver cells with OMI antibody at 20 μg/mL.



IHC (Immunohiostchemistry)
Immunohistochemistry of OMI in human liver tissue with OMI antibody at 2 μg/mL.



WB (Western Blot)
Western blot analysis of OMI in U937 lysate with Omi antibody at (A) 0.5, (B) 1, and (C) 2 μg/mL.

ADDITIONAL INFORMATION

Related Product Information for anti-HTRA2 antibody	OMI Antibody: 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.

NCBI AND UNIPROT INFORMATION

NCBI GI #	5870865
NCBI GeneID	27429
UniProt Accession #	O43464; Q9HBZ4; Q9P0Y3; Q9P0Y4
Molecular Weight	39,914 Da
NCBI Official Full Name	serine protease
NCBI Official Synonym Full Names	HtrA serine peptidase 2
NCBI Official Symbol	HTRA2
NCBI Official Synonym Symbols	OMI; PARK13; PRSS25
NCBI Protein Information	serine protease HTRA2, mitochondrial; serine protease 25; protease, serine, 25; serine proteinase OMI; HtrA-like serine protease; Omi stress-regulated endoprotease; high temperature requirement protein A2
UniProt Protein Name	Serine protease HTRA2, mitochondrial
UniProt Gene Name	**HTRA2**
UniProt Synonym Gene Names	OMI; PRSS25; HtrA2
UniProt Entry Name	HTRA2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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