

# Anti-HtrA2/Omi Antibody

Mouse Anti Human Monoclonal Antibody

Catalog # AP53417

## Product Information

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<b>Application</b>	WB
<b>Primary Accession</b>	<a href="#">O43464</a>
<b>Other Accession</b>	<a href="#">NM_013247</a>
<b>Reactivity</b>	Mouse, Hamster
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal
<b>Isotype</b>	IgG1
<b>Immunogen</b>	Recombinant human HtrA2/Omi protein.
<b>Purification</b>	Affinity purified
<b>Calculated MW</b>	48841

## Additional Information

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<b>Gene ID</b>	27429
<b>Other Names</b>	High temperature requirement protein A2;HTRA 2;HtrA like serine protease;HtrA serine peptidase 2;HtrA, E. coli, homolog of, 2;HtrA2;HTRA2_HUMAN;mitochondrial;Omi stress regulated endoprotease;Omi stress-regulated endoprotease;PARK 13;PARK13;Protease serine 25;PRSS 25;PRSS25;Serine protease 25;Serine protease HTRA2;Serine protease HTRA2 mitochondrial;Serine protease htra2 mitochondrial precursor;Serine protease omi;Serine proteinase OMI.
<b>Dilution</b>	WB~~1:1000
<b>Format</b>	PBS(pH 7.4) containing with 0.09% (W/V) sodium azide and 50% glycerol.
<b>Storage</b>	Store at -20 °C.Stable for 12 months from date of receipt

## Protein Information

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<b>Name</b>	HTRA2
<b>Synonyms</b>	OMI, PRSS25
<b>Function</b>	[Isoform 1]: Serine protease that shows proteolytic activity against a non-specific substrate beta-casein (PubMed: <a href="#">10873535</a> ). Promotes apoptosis by either relieving the inhibition of BIRC proteins on caspases, leading to an increase in caspase activity; or by a BIRC inhibition-independent, caspase-independent and serine protease activity-dependent mechanism (PubMed: <a href="#">15200957</a> ). Cleaves BIRC6 and relieves its inhibition on CASP3,

CASP7 and CASP9, but it is also prone to inhibition by BIRC6 (PubMed:[36758104](#), PubMed:[36758105](#)). Cleaves THAP5 and promotes its degradation during apoptosis (PubMed:[19502560](#)).

#### Cellular Location

Mitochondrion intermembrane space. Mitochondrion membrane; Single-pass membrane protein Note=Predominantly present in the intermembrane space. Released into the cytosol following apoptotic stimuli, such as UV treatment, and stimulation of mitochondria with caspase-8 truncated BID/tBID

#### Tissue Location

[Isoform 1]: Ubiquitously expressed.

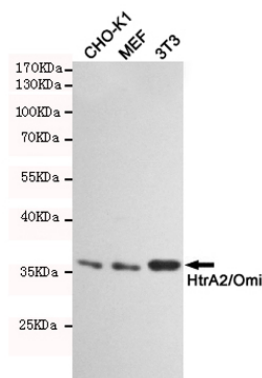
## Background

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Serine protease that shows proteolytic activity against a non-specific substrate beta-casein. Promotes or induces cell death either by direct binding to and inhibition of BIRC proteins (also called inhibitor of apoptosis proteins, IAPs), leading to an inc

## Images

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Western blot detection of HtrA2/Omi in CHO-K1, MEF and 3T3 cell lysates using HtrA2/Omi mouse mAb(dilution 1:1000). Predicted band size: 49kDa. Observed band size: 36kDa.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.