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Anti-HTRA2 Antibody

Mouse Monoclonal Antibody
Catalog # AP53418

Product Information

Application	WB, IP
Primary Accession	O43464
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Immunogen	Recombinant human HtrA2/Omi protein.
Purification	Affinity purified
Calculated MW	48841

Additional Information

Gene ID	27429
Other Names	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 serin
Dilution	WB~~1:500 IP~~N/A
Format	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide, pH 7.3.
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.

Protein Information

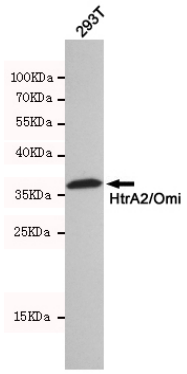
Name	HTRA2
Synonyms	OMI, PRSS25
Function	[Isoform 1]: Serine protease that shows proteolytic activity against a non-specific substrate beta-casein (PubMed:10873535). Promotes apoptosis by either relieving the inhibition of BIRC proteins on caspases, leading to an increase in caspase activity; or by a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

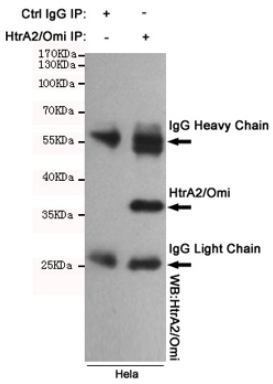
Background

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



Western blot detection of HtrA2/Omi in 293T cell lysates using HtrA2/Omi mouse mAb(dilution 1:500).Predicted band size:49kDa.Observed band size:36kDa.



Immunoprecipitation analysis of Hela cell lysates using HtrA2/Omi mouse mAb.

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