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Anti-HTRA2/Omi Rabbit Monoclonal Antibody
Catalog # ABO13649

Specification

Anti-HTRA2/Omi Rabbit Monoclonal Antibody - Product Information

Application	**WB, IHC, IP**
Primary Accession	O43464
Host	**Rabbit**
Isotype	**Rabbit IgG**
Reactivity	**Rat, Human, Mouse**
Clonality	**Monoclonal**
Format	**Liquid**

Description
Anti-HTRA2/Omi Rabbit Monoclonal Antibody . Tested in WB, IHC, IP applications. This antibody reacts with Human, Mouse, Rat.

Anti-HTRA2/Omi Rabbit Monoclonal Antibody - Additional Information

Gene ID 27429

Other Names
Serine protease HTRA2, mitochondrial, 3.4.21.108, High temperature requirement protein A2, HtrA2, Omi stress-regulated endoprotease, Serine protease 25, Serine proteinase OMI, HTRA2, OMI, PRSS25

Calculated MW
48841 MW KDa

Application Details
WB 1:500-1:2000
IHC 1:50-1:200
IP 1:30

Subcellular Localization
Mitochondrion intermembrane space. Mitochondrion membrane ; Single-pass membrane protein. 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 Specificity
Isoform 1 is ubiquitous. Isoform 2 is expressed predominantly in the kidney, colon and thyroid.

Contents
Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.

Immunogen
A synthesized peptide derived from human HTRA2

Purification
Affinity-chromatography

Storage	**Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.**

Anti-HTRA2/Omi Rabbit Monoclonal Antibody - 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.

Anti-HTRA2/Omi Rabbit Monoclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-HTRA2/Omi Rabbit Monoclonal Antibody - Images

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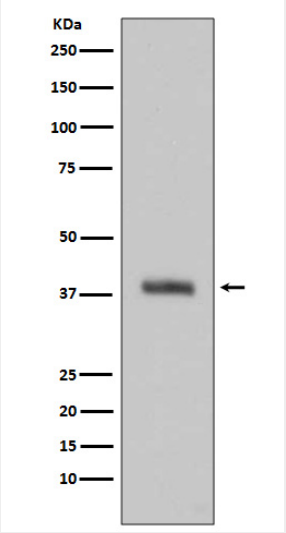

Western blot analysis of HTRA2 expression in Jurkat cell lysate.