ARG57911
anti-HtrA2 / Omi antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody recognizes HtrA2 / Omi
Tested Reactivity	Hu
Tested Application	IP, WB
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Target Name	HtrA2 / Omi
Species	Human
Immunogen	Recombinant Human HtrA2 / Omi protein.
Conjugation	Un-conjugated
Alternate Names	Serine protease HTRA2, mitochondrial; Serine proteinase OMI; Omi stress-regulated endoprotease; OMI; EC 3.4.21.108; PARK13; High temperature requirement protein A2; PRSS25; Serine protease 25; HtrA2

Application Instructions

Application table

Application	Dilution
IP	Assay-dependent
WB	1:500

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	293T
Observed Size	~ 36 kDa

Properties

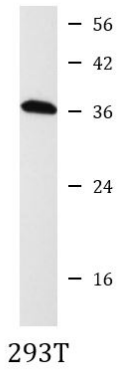
Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.4), 0.03% Proclin300 and 50% Glycerol.
Preservative	0.03% Proclin300
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

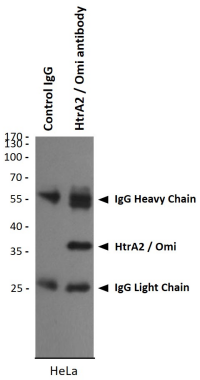
Gene Symbol	HTRA2
Gene Full Name	HtrA serine peptidase 2
Background	This gene encodes a serine protease. The protein has been localized in the endoplasmic reticulum and interacts with an alternatively spliced form of mitogen-activated protein kinase 14. The protein has also been localized to the mitochondria with release to the cytosol following apoptotic stimulus. The protein is thought to induce apoptosis by binding the apoptosis inhibitory protein baculoviral IAP repeat-containing 4. Nuclear localization of this protein has also been observed. Alternate splicing of this gene results in two transcript variants encoding different isoforms. Additional transcript variants have been described, but their full-length sequences have not been determined. [provided by RefSeq, Jul 2008]
Function	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 increase in caspase activity, or by a BIRC inhibition-independent, caspase-independent and serine protease activity-dependent mechanism. Cleaves THAP5 and promotes its degradation during apoptosis. Isoform 2 seems to be proteolytically inactive. [UniProt]
Calculated Mw	49 kDa
PTM	Autoproteolytically activated. [UniProt]
Cellular Localization	Mitochondrion intermembrane space_x000D_Mitochondrion membrane; Single-pass membrane protein. [UniProt]

Images



ARG57911 anti-HtrA2 / Omi antibody WB image

Western blot: 293T cell lysate stained with ARG57911 anti-HtrA2 / Omi antibody at 1:500 dilution.



ARG57911 anti-HtrA2 / Omi antibody IP image

Immunoprecipitation: HeLa cell lysates immunoprecipitated and stained with ARG57911 anti-HtrA2 / Omi antibody.