Best Tools for immunology Research

HtrA2/Omi mouse mAb

Catalog No :	YM1524
Reactivity :	Mouse;Hamster
Applications :	WB
Target :	HtrA2/Omi
Fields :	>>Apoptosis;>>Apoptosis - multiple species;>>Parkinson disease;>>Pathways of neurodegeneration - multiple diseases
Gene Name :	htra2
Human Gene Id :	27429
Human Swiss Prot No :	O43464
Mouse Swiss Prot No :	Q9JIY5
Immunogen :	Recombinant human HtrA2/Omi protein.
Specificity :	This antibody detects endogenous levels of HtrA2/Omi and does not cross-react with related proteins.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Monoclonal, Mouse
Dilution :	wb dilution 1:1000
Purification :	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)
Observed Band :	36kD

Cell Pathway : Parkinson's disease;

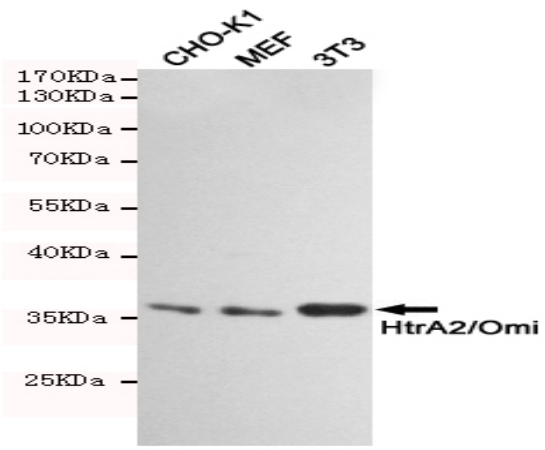
Background : This gene encodes a serine protease. The protein has been localized in the endoplasmic reticulum and interacts with an alternatively spliced form of mitogen-activated protein kinase 14. The protein has also been localized to the mitochondria with release to the cytosol following apoptotic 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 multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2016],

Function : catalytic activity:Cleavage of non-polar aliphatic amino-acids at the P1 position, with a preference for Val, Ile and Met. At the P2 and P3 positions, Arg is selected most strongly with a secondary preference for other hydrophilic residues.,disease:Defects in HTRA2 are the cause of Parkinson disease type 13 (PARK13) [MIM:610297, 168600]. Parkinson disease (PD) is a complex, multifactorial disorder that typically manifests after the age of 50 years, although early-onset cases (before 50 years) are known. PD generally arises as a sporadic condition but is occasionally inherited as a simple mendelian trait. Although sporadic and familial PD are very similar, inherited forms of the disease usually begin at earlier ages and are associated with atypical clinical features. PD is characterized by bradykinesia, resting tremor, muscular rigidity and postural instability, as well as by a clinically

Subcellular Location : 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.; [Isoform 1]: Endoplasmic reticulum .

Expression : [Isoform 1]: Ubiquitously expressed.

Products Images



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.