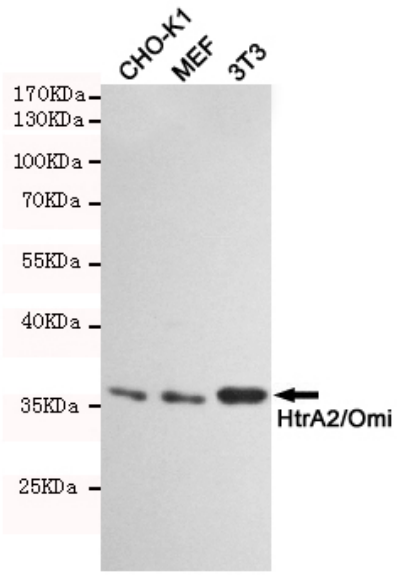
HtrA2/Omi mouse mAb

Catalog No	BYab-02373
Isotype	IgG
Reactivity	Mouse;Hamster
Applications	WB
Gene Name	htra2
Protein Name	
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
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb dilution 1:1000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	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.
Observed Band	36kD
Cell Pathway	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 .
Tissue Specificity	[Isoform 1]: Ubiquitously expressed.

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
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],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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.