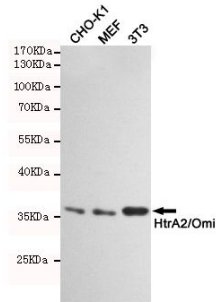




HtrA2/Omi

Mouse monoclonal Antibody

#53603

Catalog Number: 53603**Amount:** 100µg/100µl**Swiss-Prot No. :** O43464**Gene name:** htra2**Gene id:** 27429**Clone Number:** 1H8-C12-F8**Form of Antibody:** Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50% glycerol**Storage/Stability:** Store at -20°C/1 year**Immunogen:** Purified recombinant human HtrA2/Omi protein fragments expressed in E.coli**Purification:** affinity-chromatography**Specificity/Sensitivity:** This antibody detects endogenous levels of HtrA2/Omi and does not cross-react with related proteins**Reactivity:** Mouse, Rat**Applications:** Predicted MW: 36kd WB: 1:1000

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.

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.