HtrA2/Omi Rabbit mAb

Catalog No: #48910

Package Size: #48910-1 50ul #48910-2 100ul

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

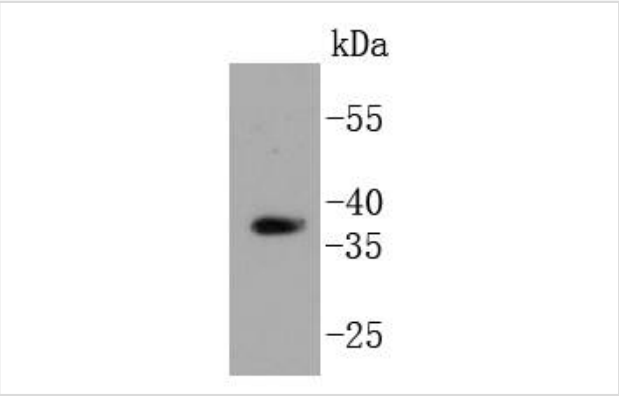
Description

Product Name	HtrA2/Omi Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	ST54-05
Purification	ProA affinity purified
Applications	WB, IHC, IP
Species Reactivity	Hu, Ms, Rt
Immunogen Description	recombinant protein
Other Names	High temperature requirement protein A2 antibody HTRA 2 antibody HtrA like serine protease antibody HtrA serine peptidase 2 antibody HtrA, E. coli, homolog of, 2 antibody HtrA2 antibody HTRA2_HUMAN antibody mitochondrial antibody Omi stress regulated endoprotease antibody Omi stress-regulated endoprotease antibody PARK 13 antibody PARK13 antibody Protease serine 25 antibody PRSS 25 antibody PRSS25 antibody Serine protease 25 antibody Serine protease HTRA2 antibody Serine protease HTRA2 mitochondrial antibody Serine protease htra2 mitochondrial precursor antibody Serine protease omi antibody Serine proteinase OMI antibody
Accession No.	Swiss-Prot#:O43464
Uniprot	O43464
GeneID	27429;
Calculated MW	38 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

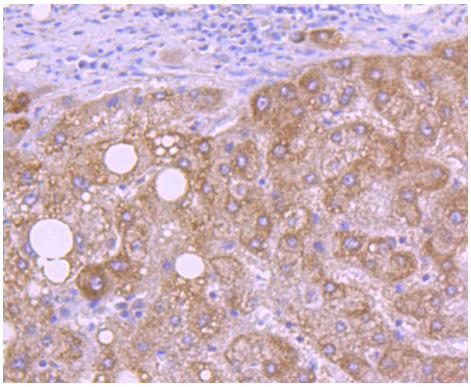
Application Details

WB: 1:1,000-1:2,000 IHC: 1:50-1:200

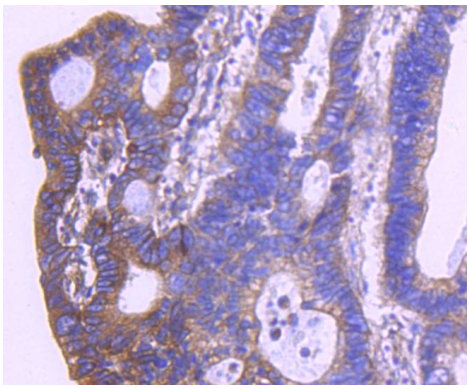
Images



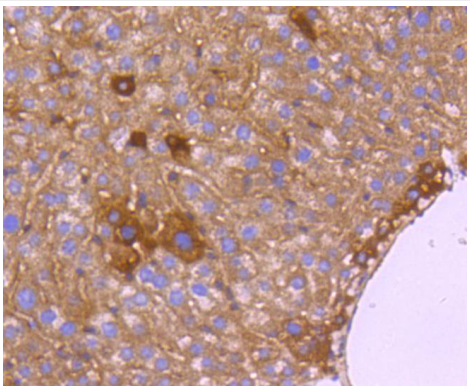
Western blot analysis of HtrA2 on 293 cell lysates using anti-HtrA2 antibody at 1/1,000 dilution.



Immunohistochemical analysis of paraffin-embedded human liver tissue using anti-HtrA2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue using anti-HtrA2 antibody. Counter stained with hematoxylin.



Immunohistochemical analysis of paraffin-embedded mouse liver tissue using anti-HtrA2 antibody. Counter stained with hematoxylin.

Background

The human homolog of the E. Coli htrA gene product, HtrA, is identified in osteoarthritic cartilage and is repressed in SV40-transformed fibroblast. The gene encoding HtrA protein is highly conserved among mammalian species and belongs to the serine protease family. The HtrA protein contains an IGF-binding domain and exhibits endoproteolytic activity, including autocatalytic cleavage. HtrA is a secreted protein that is expressed in heterologous systems. HtrA plays a role in the degradation of denatured proteins and cell growth regulation. Human HtrA2 (also designated Omi), a novel member of the HtrA serine protease family, is highly homologous to HtrA (also known as L56 and HtrA1). HtrA2 is a ubiquitously expressed nuclear protease that is capable of autoproteolysis. The HtrA2 protein exists as two polypeptides and as an alternatively spliced form called D-Omi, which is predominately expressed in the kidney, colon and thyroid. Due to a modified PDZ domain, D-Omi does not interact with the known partner of HtrA2, the Mxi2 protein. Like HtrA, HtrA2 is involved in the degradation aberrantly folded proteins during conditions of cellular stress, suggesting that it may possess a chaperone-like role under normal conditions.

References

Note: This product is for in vitro research use only