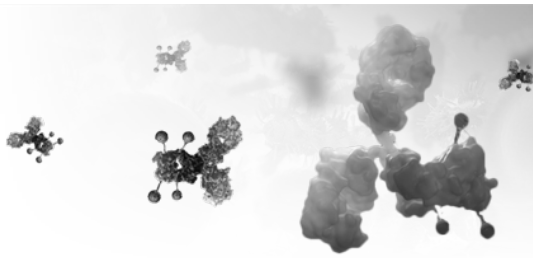

Rabbit Anti-HTRA2 monoclonal antibody, clone TU65-16 (CABT-L683)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Target	HtrA2/Omi
Immunogen	Recombinant protein
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Clone	TU65-16
Purification	Protein A purified.
Conjugate	Unconjugated
Applications	WB, IHC, IP
Molecular Weight	38 kDa
Cellular Localization	Mitochondrion intermembrane space, Mitochondrion membrane.
Positive Control	293, human liver tissue, human colon cancer tissue, mouse liver tissue.
Format	Liquid
Size	100 µl
Buffer	1×TBS (pH7.4), 1% BSA, 40% Glycerol.
Preservative	0.05% Sodium Azide

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
© Creative Diagnostics All Rights Reserved

Storage	Store at +4°C after thawing. Aliquot store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

BACKGROUND

Introduction	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.
Keywords	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 antibody

45-1 Ramsey Road, Shirley, NY 11967, USA
Email: info@creative-diagnostics.com
Tel: 1-631-624-4882 Fax: 1-631-938-8221
© Creative Diagnostics All Rights Reserved