



## Anti-HtrA2 Antibody

**Alternative Names:** HTRA2, MGCA8, OMI, PARK13, PRSS25, HtrA Serine Peptidase 2, High Temperature Requirement Protein A2, Serine Protease HTRA2 Mitochondrial, Omi Stress-Regulated Endoprotease, Serine Proteinase OMI, Protease Serine 25, EC 3.4.21.108, Epididymis Secretory Spe

**Catalogue Number:** AB19-10118-100ug

**Size:** 100 µg

## Background Information

Mitochondrial serine protease HtrA2 is expressed as a 49-kDa proenzyme that is targeted to the mitochondrial intermembrane space. Full-length HtrA2 consists of five functional regions: an N-terminal mitochondrial localisation signal, a transmembrane segment, an inhibitor of apoptosis protein binding motif, a serine protease domain and a C-terminal PDZ domain. It is believed that the transmembrane anchor attaches the precursor protein to the mitochondrial inner membrane, where it undergoes maturation. The fully processed protein loses 133 amino acids from the N-terminal (the localisation signal and the transmembrane anchor), exposing an N-terminal inhibitor of apoptosis protein binding motif. The protease activity of the HtrA2 is required for mitochondrial homeostasis and mutations inactivating HtrA2 have been linked to neurodegenerative disorders such as Parkinson's disease. Additionally HtrA2 released into the cytosol is involved in apoptosis.

## Product Information

<b>Antibody Type:</b>	Polyclonal	<b>Host:</b>	Rabbit
<b>Isotype:</b>	IgG	<b>Species Reactivity:</b>	Human, Mouse, Rat
<b>Immunogen:</b>	A synthetic peptide from the C-terminal region of human HTRA2		
<b>Format:</b>	100 µg in 100 µl PBS with 0.03% Proclin300, 50% glycerol, pH7.3.		
<b>Storage Conditions:</b>	Store at -20°C. Avoid freeze / thaw cycles.		
<b>Applications:</b>	WB IHC WB 1:2000-5000. IHC 1:50-200.		

## Additional Information

<b>Subcellular location:</b>	Mitochondrion intermembrane space	<b>MW:</b>	49kDa (Intended as a general guide and does not allow for all isoforms and species variations)
<b>Gene ID</b>	27429	<b>Uniprot ID:</b>	O43464