

For Research Use Only

# HTRA2 Recombinant antibody

Catalog Number:83492-6-RR



## Basic Information

<b>Catalog Number:</b> 83492-6-RR	<b>GenBank Accession Number:</b> BC000096	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ul , Concentration: 1000 ug/ml by Nanodrop;	<b>GeneID (NCBI):</b> 27429	<b>CloneNo.:</b> 240496E12
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O43464	<b>Recommended Dilutions:</b> IF/ICC 1:125-1:500
<b>Isotype:</b> IgG	<b>Full Name:</b> HtrA serine peptidase 2	
<b>Immunogen Catalog Number:</b> AG8455	<b>Calculated MW:</b> 49 kDa	

## Applications

<b>Tested Applications:</b> IF/ICC, FC (Intra), ELISA	<b>Positive Controls:</b> IF/ICC : HepG2 cells,
<b>Species Specificity:</b> human	

## Background Information

HTRA2(High temperature requirement protein A2) is also named as OMI, PRSS25 and belongs to the peptidase S1B family. HTRA2 normally exists in the mitochondria, can cause MMP3 activation in the cytosol under a cell stress condition, which can ultimately lead to demise of dopaminergic neuronal cells(PMID: 22265821). It inhibits mitochondrial superoxide generation, stabilizes mitochondrial membrane potential, and prevents apoptosis at baseline and in response to extracellular inducers of mitochondrial stress(PMID: 18772386). This protein has 4 isoforms produced by alternative splicing.

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

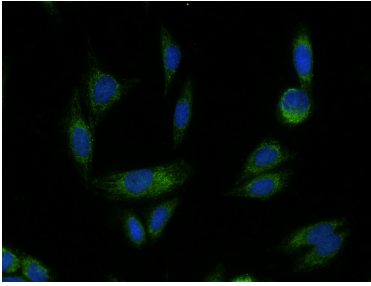
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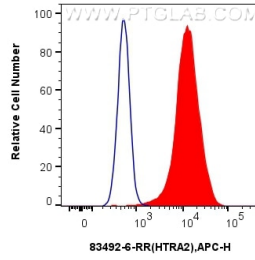
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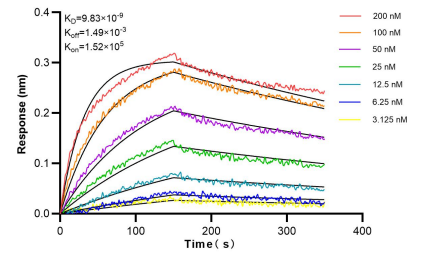
## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using HTRA2 antibody (83492-6-RR, Clone: 240496E12 ) at dilution of 1:250 and CoraLite@488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) (SA00013-1).



1x10<sup>6</sup> HeLa cells were intracellularly stained with 0.25 ug HTRA2 Recombinant antibody (83492-6-RR, Clone:240496E12) and APC-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Biolayer interferometry (BLI) kinetic assays of 83492-6-RR against Human HTRA2 were performed. The affinity constant is 9.83 nM.