



## Rabbit Anti-HTRA4 antibody

SL18101R

<b>Product Name:</b>	HTRA4
<b>Chinese Name:</b>	丝氨酸肽酶4抗体
<b>Alias:</b>	FLJ90724; High temperature requirement protean A4; High-temperature requirement factor A4; HTRA 4; HtrA serine peptidase 4; HTRA4; HTRA4_HUMAN; Probable serine protease HTRA4; Serine protease HTRA4.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Cow,
<b>Applications:</b>	WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800ICC=1:100-500IF=1:100-500 (Paraffin sections need antigen repair) not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
<b>Molecular weight:</b>	49kDa
<b>Cellular localization:</b>	Secretory protein
<b>Form:</b>	Lyophilized or Liquid
<b>Concentration:</b>	1mg/ml
<b>immunogen:</b>	KLH conjugated synthetic peptide derived from human HTRA4:251-350/476
<b>Lsotype:</b>	IgG
<b>Purification:</b>	affinity purified by Protein A
<b>Storage Buffer:</b>	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
<b>Storage:</b>	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
<b>PubMed:</b>	<a href="#">PubMed</a>
<b>Product Detail:</b>	This gene encodes a member of the HtrA family of proteases. The encoded protein contains a putative signal peptide, an insulin growth factor binding domain, a Kazal protease inhibitor domain, a conserved trypsin domain and a PDZ domain. Based on studies on other related family members, this enzyme may function as a secreted oligomeric chaperone protease to degrade misfolded secretory proteins. Other human

HtrA proteins have been implicated in arthritis, tumor suppression, unfolded stress response, apoptosis, and aging. [provided by RefSeq, Oct 2008]

**Function:**

Serine protease.

**Subcellular Location:**

Secreted.

**Similarity:**

Belongs to the peptidase S1B family.  
Contains 1 IGF1BP1 N-terminal domain.  
Contains 1 Kazal-like domain.  
Contains 1 PDZ (DHR) domain.

**SWISS:**

P83105

**Gene ID:**

203100

**Database links:**

[Entrez Gene: 203100](#) Human

[Entrez Gene: 330723](#) Mouse

[Omim: 610700](#) Human

[SwissProt: P83105](#) Human

[SwissProt: A2RT60](#) Mouse

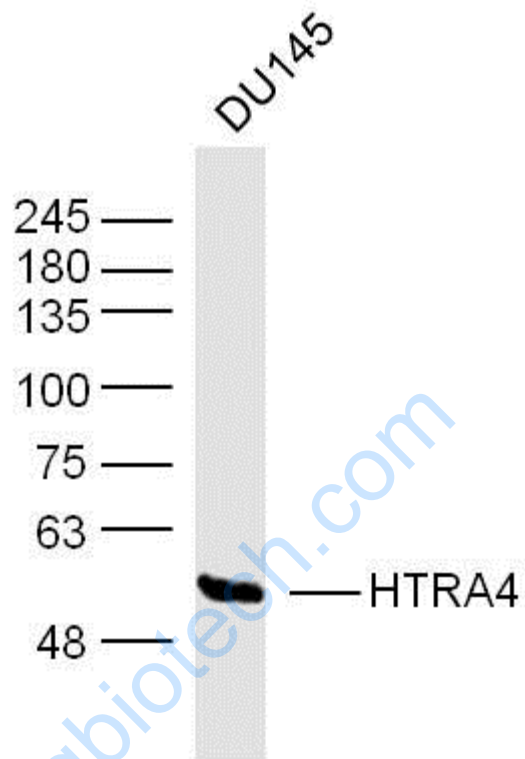
[Unigene: 661014](#) Human

[Unigene: 334452](#) Mouse

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Picture:



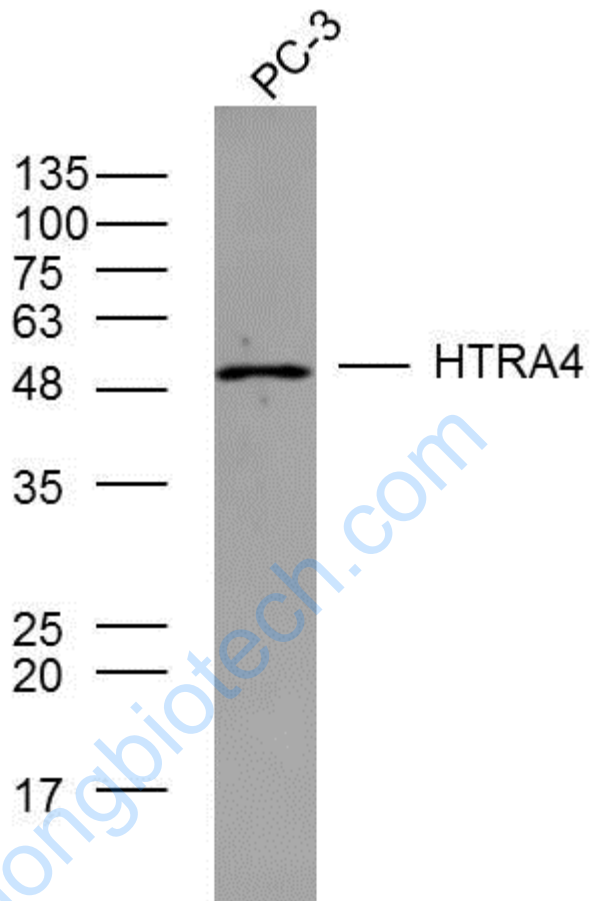
Protein: DU145(human) lyates at 30ug;

Primary: Rabbit Anti-HTRA4(SL18101R) at 1:300;

Secondary: 800CW Conjugated Goat (polyclonal) Anti-Rabbit IgG(H+L) at 1:10000;

Predicted band size:49 kD

Observed band size:50 kD



Sample:

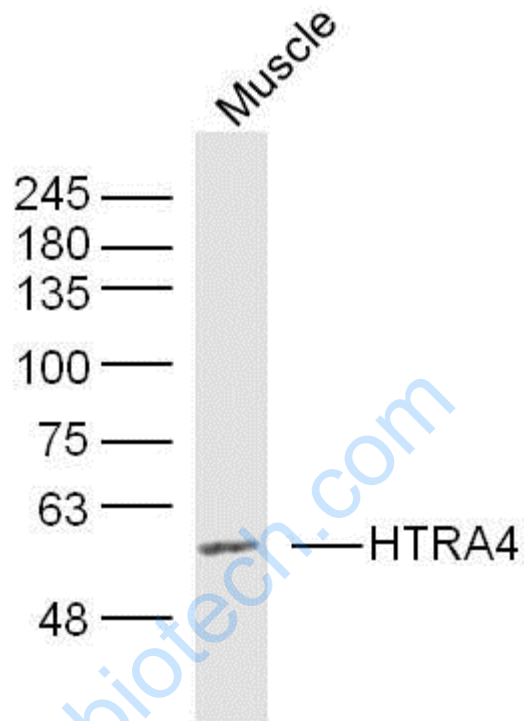
PC-3 Cell (Human) Lysate at 30 ug

Primary: Anti- HTRA4 (SL18101R) at 1/300 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 51 kD

Observed band size: 51 kD



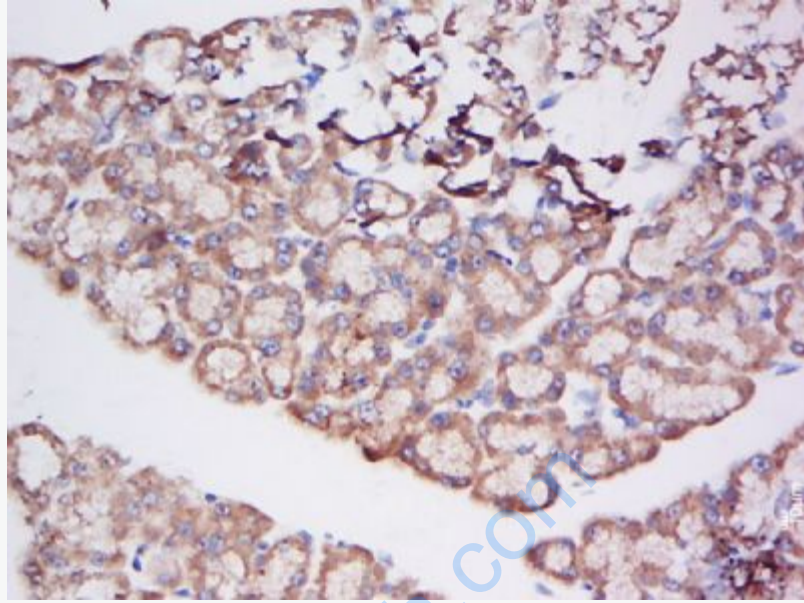
Protein: muscle(mouse) lyates at 30ug;

Primary: Rabbit Anti-HTRA4(SL18101R) at 1:300;

Secondary: 800CW Conjugated Goat (polyclonal) Anti-Rabbit IgG(H+L) at 1:10000;

Predicted band size:49 kD

Observed band size:50 kD



Tissue/cell: Rat pancreas tissue; 4% Paraformaldehyde-fixed and paraffin-embedded;

Antigen retrieval: citrate buffer ( 0.01M, pH 6.0 ), Boiling bathing for 15min; Block endogenous peroxidase by 3% Hydrogen peroxide for 30min; Blocking buffer (normal goat serum,C-0005) at 37°C for 20 min;

Incubation: Anti-HTRA4 Polyclonal Antibody, Unconjugated(SL18101R) 1:500, overnight at 4°C, followed by conjugation to the secondary antibody(SP-0023) and DAB(C-0010) staining