



## Rabbit Anti-HTRA3/Calpain 5 antibody

SL18100R

<b>Product Name:</b>	HTRA3/Calpain 5
<b>Chinese Name:</b>	钙蛋白酶5抗体
<b>Alias:</b>	Calpain 5; Calpn 5; CAPN5; EC 3.4.21.; High temperature requirement factor A3; High-temperature requirement factor A3; HtrA serine peptidase 3; HTRA3; HTRA3_HUMAN; Pregnancy related serine protease; Pregnancy-related serine protease; Probable serine protease HTRA3; Probable serine protease HTRA3 precursor; PRSP; Serine protease HTRA3; Tasp.
<b>Organism Species:</b>	Rabbit
<b>Clonality:</b>	Polyclonal
<b>React Species:</b>	Human,Mouse,Rat,Dog,Pig,Cow,Horse,
<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>	48kDa
<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 HTRA3/Calpain 5:61-160/453
<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>	HtrA3 is a 453 amino acid secreted protein that contains one PDZ domain, one Kazal-like domain and one IGF1BP N-terminal domain. Widely expressed with particularly high expression in ovary, heart, placenta and bladder, HtrA3 functions as a probable

serine protease that is thought to play an important role in placental development. HtrA3 is downregulated in ovarian tumors, suggesting an alternative role in tumor suppression. HtrA3 exists as two alternatively spliced isoforms, designated short and long. The gene encoding HtrA3 maps to human chromosome 4, which encodes nearly 6% of the human genome and has the largest gene deserts (regions of the genome with no protein encoding genes) of all of the human chromosomes.

**Function:**

Probable serine protease.

**Subcellular Location:**

Secreted.

**Tissue Specificity:**

Widely expressed, with highest levels in both adult and fetal heart, ovary, uterus placenta, and bladder. Isoform 1 is predominant in heart and skeletal muscle, whereas isoform 2 is predominant in placenta and kidney.

**Similarity:**

Belongs to the peptidase S1B family.  
Contains 1 IGF1P N-terminal domain.  
Contains 1 Kazal-like domain.  
Contains 1 PDZ (DHR) domain.

**SWISS:**

P83110

**Gene ID:**

94031

**Database links:**

[Entrez Gene: 94031](#) Human

[Entrez Gene: 360959](#) Rat

[Omim: 608785](#) Human

[SwissProt: P83110](#) Human

[SwissProt: D3ZA76](#) Rat

[Unigene: 479119](#) Human

**Important Note:**

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