

**bs-18100R****[ Primary Antibody ]****HTRA3/Calpain 5 Rabbit pAb**

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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>WB</b> (1:500-2000) <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>ICC/IF</b> (1:100-500) <b>ELISA</b> (1:5000-10000)  <b>Reactivity:</b> Human (predicted: Mouse, Rat, Pig, Cow, Dog, Horse)  <b>Predicted MW.:</b> 48 kDa  <b>Subcellular Location:</b> Secreted
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 94031	<b>SWISS:</b> P83110	
<b>Target:</b> HTRA3/Calpain 5		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human HTRA3/Calpain 5: 61-160/453.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> HtrA3 is a 453 amino acid secreted protein that contains one PDZ domain, one Kazal-like domain and one IGFBP 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.		

**— SELECTED CITATIONS —**

- **[IF=2.682]** Huang Wenying. et al. Study on the Correlation between the Levels of HtrA3 and TGF- $\beta$ 2 in Late Pregnancy and Preeclampsia. J Healthc Eng. 2022;2022:4453646 Other ;Other. 35035835
- **[IF=2.7]** Yan Chen. et al. HtrA3: a promising prognostic biomarker and therapeutic target for head and neck squamous cell carcinoma. PEERJ. 2023 Oct;11:e16237 IHC, WB ;Human. 37842043