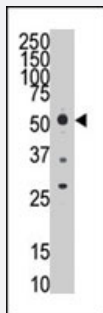


HTRA1 polyclonal antibody

Catalog # PAB2455

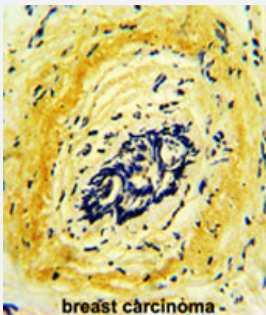
Size 200 uL

Applications



Western Blot (Tissue lysate)

The HTRA1 polyclonal antibody (Cat # PAB2455) is used in Western blot to detect HTRA1 mouse brain tissue lysate.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Formalin-fixed and paraffin-embedded human breast carcinoma reacted with HTRA1 polyclonal antibody (Cat # PAB2455), which was peroxidase-conjugated to the secondary antibody, followed by AEC staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

Specification

Product Description	Rabbit polyclonal antibody raised against synthetic peptide of HTRA1.
Immunogen	A synthetic peptide (conjugated with KLH) corresponding to amino acids 124-153 at N-terminus of human HTRA1.
Host	Rabbit
Reactivity	Human, Mouse
Form	Liquid
Purification	Protein G purification

Recommend Usage	Western Blot (1:1000) Immunohistochemistry (1:50-100) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS (0.09% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot (Tissue lysate)

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- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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Gene Info — HTRA1

Entrez GeneID	5654
Protein Accession#	NP_002766;Q92743
Gene Name	HTRA1
Gene Alias	ARMD7, HtrA, L56, ORF480, PRSS11
Gene Description	HtrA serine peptidase 1
Omim ID	602194 610149
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the trypsin family of serine proteases. This protein is a secreted enzyme that is proposed to regulate the availability of insulin-like growth factors (IGFs) by cleaving IGF-binding proteins. It has also been suggested to be a regulator of cell growth. Variations in the promoter region of this gene are the cause of susceptibility to age-related macular degeneration type 7. [provided by RefSeq]
Other Designations	IGFBP5-protease OTTHUMP00000063514 protease, serine, 11 (IGF binding) serine protease 11

Publication Reference

- [Clinical and genetic characteristics of hereditary pancreatitis in Europe.](#)

Howes N, Lerch MM, Greenhalf W, Stocken DD, Ellis I, Simon P, Truninger K, Ammann R, Cavallini G, Charnley RM, Uomo G, Delhaye M, Spicak J, Drumm B, Jansen J, Mountford R, Whitcomb DC, Neoptolemos JP.

Clinical Gastroenterology and Hepatology 2004 Mar; 2(3):252.

- [A candidate tumor suppressor HtrA1 is downregulated in ovarian cancer.](#)

Chien J, Staub J, Hu SI, Erickson-Johnson MR, Couch FJ, Smith DI, Crowl RM, Kaufmann SH, Shridhar V.

Oncogene 2004 Feb; 23(8):1636.

Application: WB-Ce, WB-Tr, Human, OSE, OV167, OV177, OV202, OV207, OV266, OVCAR-5, SKOV-3 cells

- [Human HtrA, an evolutionarily conserved serine protease identified as a differentially expressed gene product in osteoarthritic cartilage.](#)

Hu SI, Carozza M, Klein M, Nantermet P, Luk D, Crowl RM.

The Journal of Biological Chemistry 1998 Dec; 273(51):34406.

Application: WB-Ti, WB-Tr, Human, HEK 293 cells, Human cartilage

Disease

- [Alzheimer disease](#)
- [Arthritis](#)
- [Atherosclerosis](#)
- [Blindness](#)
- [Calcinosis](#)
- [Cardiovascular Diseases](#)
- [Choroid Diseases](#)
- [Choroidal Neovascularization](#)
- [Choroiditis](#)
- [Coronary Artery Disease](#)
- [Depressive Disorder](#)

- [Diabetes Mellitus](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Geographic Atrophy](#)
- [Intervertebral Disk Degeneration](#)
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- [Parkinson disease](#)
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- [Retinal Drusen](#)
- [Retinal Neovascularization](#)
- [Schizophrenia](#)
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- [Tobacco Use Disorder](#)
- [Weight Gain](#)