HTRA1 Monoclonal Antibody

Catalog No	BYmab-06904
Isotype	IgG
Reactivity	Human;Rat;Mouse
Applications	WB
Gene Name	HTRA1 HTRA PRSS11
Protein Name	Serine protease HTRA1 (EC 3.4.21.-) (High-temperature requirement A serine peptidase 1) (L56) (Serine protease 11)
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	HTRA1 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	52kD
Cell Pathway	Cell membrane . Secreted . Cytoplasm, cytosol . Predominantly secreted (PubMed:15208355). Also found associated with the plasma membrane (PubMed:21297635). .
Tissue Specificity	Widely expressed, with strongest expression in placenta (at protein level). Secreted by synovial fibroblasts. Up-regulated in osteoarthritis and rheumatoid arthritis synovial fluids and cartilage as compared with non-arthritic (at protein level).
Function	disease:Variations in the promoter region of HTRA1 are the cause of susceptibility to age-related macular degeneration type 7 (ARMD7) [MIM:610149]. ARMD is the leading cause of vision loss and blindness among older individuals in the developed word. It is classified as either dry (nonneovascular) or wet (neovascular). ARMD7 is a wet form, in which new blood vessels form and break beneath the retina. This leakage causes permanent damage to surrounding retinal tissue, distorting and destroying central vision. Wet ARMD is more prevalent among Asians than Caucasians.,function:Protease that regulate the

	availability of IGFs by cleaving IGF-binding proteins.,similarity:Belongs to the peptidase S1B family.,similarity:Contains 1 IGFBP N-terminal domain.,similarity:Contains 1 Kazal-like domain.,similarity:Contains 1 PDZ (DHR) domain.,tissue specificity:Expressed in a variety of tissues, with stro
Background	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, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

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