

For Research Use Only

HTRA1 Monoclonal antibody

Catalog Number: 68053-1-Ig



Basic Information

Catalog Number: 68053-1-Ig	GenBank Accession Number: NM_002775	Purification Method: Protein A purification
Size: 150ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 5654	CloneNo.: 1B11G12
Source: Mouse	UNIPROT ID: Q92743	Recommended Dilutions: WB 1:1000-1:6000
Isotype: IgG2a	Full Name: HtrA serine peptidase 1	
Immunogen Catalog Number: AG31204	Calculated MW: 51 kDa	
	Observed MW: 51 kDa	

Applications

Tested Applications: WB, FC (Intra), ELISA	Positive Controls: WB : hTERT-RPE1 cells, pig brain tissue, HeLa cells, HepG2 cells, L02 cells, rabbit brain tissue, rat brain tissue, mouse brain tissue
Species Specificity: human, mouse, rat, pig, rabbit	

Background Information

HTRA1, also named as HTRA, PRSS11 and L56, belongs to the peptidase S1B family. It is a protease that regulates the availability of insulin-like growth factors (IGFs) by cleaving IGF-binding proteins. HTRA1 represses signaling by TGF-beta family members. Variations in the promoter region of HTRA1 are the cause of susceptibility to age-related macular degeneration type 7 (ARMD7). Defects in HTRA1 are the cause of cerebral autosomal recessive arteriopathy with subcortical infarcts and leukoencephalopathy (CARASIL). The 50 kDa HTRA1 was found at varying levels in the majority samples tested, whereas the 42 kDa form of HTRA1 was identified in degenerated intervertebral disc protein samples (PMID:22556410). The short truncated monomer 37 kDa and dimer 74 kDa are proved (PMID:25329061). The antibody is specific to HTRA1.

Storage

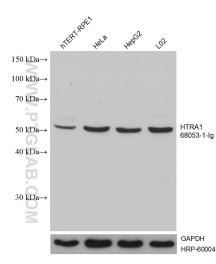
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

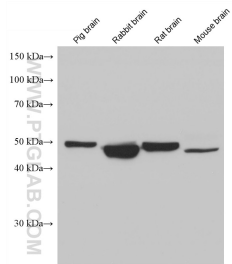
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
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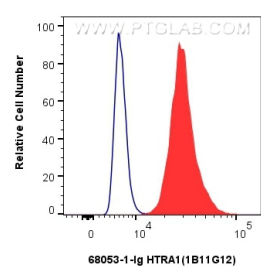
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68053-1-Ig (HTRA1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Various lysates were subjected to SDS PAGE followed by western blot with 68053-1-Ig (HTRA1 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



1x10⁶ HeLa cells were intracellularly stained with 0.4 ug HTRA1 Monoclonal antibody (68053-1-Ig, Clone:1B11G12) and CoraLite488-conjugated Donkey Anti-Mouse IgG(H+L)(SA00013-5)(red), or 0.4 ug Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).