

For Research Use Only

Calpain 11 Polyclonal antibody, PBS Only

Catalog Number: 13675-1-PBS



Basic Information

Catalog Number: 13675-1-PBS	GenBank Accession Number: BC033733	Purification Method: Antigen affinity purification
Size: 100ug, Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 11131	
Source: Rabbit	UNIPROT ID: Q9UMQ6	
Isotype: IgG	Full Name: calpain 11	
Immunogen Catalog Number: AG4668	Calculated MW: 702 aa, 81 kDa	
	Observed MW: 81 kDa	

Applications

Tested Applications:
WB, IHC, IF/ICC, Indirect ELISA

Species Specificity:
human, mouse, rat

Background Information

Calpains are a superfamily of related proteins, some of which have been shown to function as intracellular calcium-dependent cysteine proteases. Calpains consist of a variable large (80 kDa) subunit and an invariant small (30 kDa) subunit. The expression of calpain11 during spermatogenesis and its localization in spermatozoa suggest that it is involved in regulating calcium-dependent signal transduction events during meiosis and sperm functional processes (PMID:16541461). And the 110 kDa band protein may be regarded as a complex.

Storage

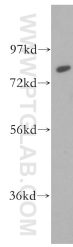
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

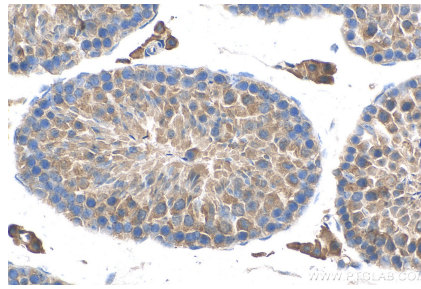
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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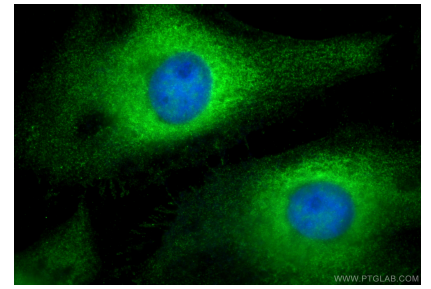
Selected Validation Data



PC-3 cells were subjected to SDS PAGE followed by western blot with 13675-1-AP (Calpain 11 antibody) at dilution of 1:0 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 13675-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse testis tissue slide using 13675-1-AP (Calpain 11 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 13675-1-PBS in a different storage buffer formulation.



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Calpain 11 antibody (13675-1-AP) at dilution of 1:400 and Multi-rAb CoraLite® Plus 488-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR002). This data was developed using the same antibody clone with 13675-1-PBS in a different storage buffer formulation.