

For Research Use Only

Calpain 11 Polyclonal antibody

Catalog Number: 13675-1-AP



Basic Information

Catalog Number: 13675-1-AP	GenBank Accession Number: BC033733	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 147 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 11131	Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 IF 1:50-1:500
Source: Rabbit	Full Name: calpain 11	
Isotype: IgG	Calculated MW: 702 aa, 81 kDa	
Immunogen Catalog Number: AG4668	Observed MW: 81 kDa	

Applications

Tested Applications: IF, IHC, WB, ELISA	Positive Controls: WB : PC-3 cells, IHC : mouse testis tissue, IF : PC-3 cells,
Species Specificity: human, mouse, rat	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

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

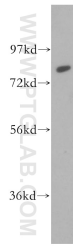
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

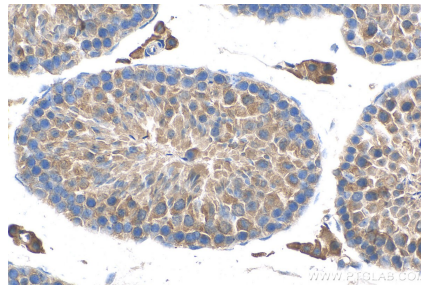
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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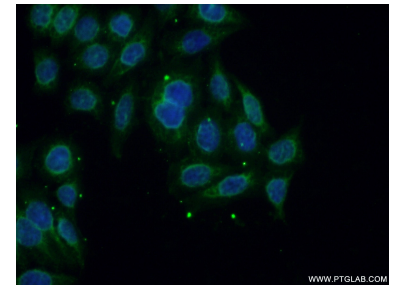
Selected Validation Data



PC-3 cells were subjected to SDS PAGE followed by western blot with 13675-1-AP (Calpain 11 antibody) at dilution of 1:10 incubated at room temperature for 1.5 hours.



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).



Immunofluorescent analysis of (-20°C Ethanol) fixed PC-3 cells using 13675-1-AP (Calpain 11 antibody) at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).