

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: 550 ug/ml	GeneID (NCBI): 11131	Recommended Dilutions: WB 1:500-1:2000
Source: Rabbit	UNIPROT ID: Q9UMQ6	IHC 1:50-1:500
Isotype: IgG	Full Name: calpain 11	IF/ICC 1:200-1:800
Immunogen Catalog Number: AG4668	Calculated MW: 702 aa, 81 kDa	
	Observed MW: 81 kDa	

Applications

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

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**

Positive Controls:

WB : PC-3 cells,
IHC : mouse testis tissue,
IF/ICC : HeLa cells,

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

For technical support and original validation data for this product please contact:

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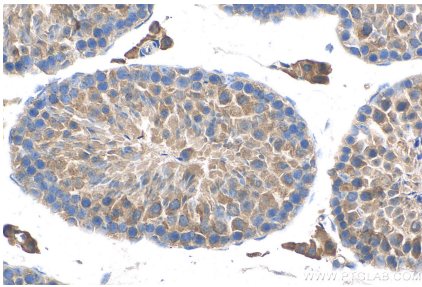
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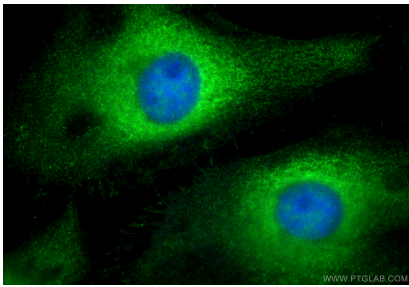
Selected Validation Data



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.



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 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).