

For Research Use Only

CAPN3 Polyclonal antibody

Catalog Number: 28476-1-AP 1 Publications



Basic Information

Catalog Number: 28476-1-AP	GenBank Accession Number: BC146672	Purification Method: Antigen affinity purification
Size: 450 µg/ml	GeneID (NCBI): 825	Recommended Dilutions: WB 1:1000-1:4000 IHC 1:50-1:500
Source: Rabbit	UNIPROT ID: P20807	
Isotype: IgG	Full Name: calpain 3, (p94)	
Immunogen Catalog Number: AG29454	Observed MW: 90-105 kDa, 55-60 kDa, 30-35 kDa	

Applications

Tested Applications: IHC, WB, ELISA	Positive Controls:
Cited Applications: WB	WB : rat skeletal muscle tissue, IHC : mouse skeletal muscle tissue,
Species Specificity: Human, rat, mouse	
Cited Species: 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

Calpain 3 (CAPN3), a major intracellular protease, is a muscle-specific member of the calpain large subunit family that specifically binds to titin. CAPN3 plays a role in the dysferlin protein complex and that disruption of CAPN3 function may affect muscle membrane repair and remodeling. CAPN3 has some isoforms with MW of 94, 84, 93, 36, 18 kDa. CAPN3 autolysis generates a small N-terminal fragment of 34 kDa and a large C-terminal fragment whose size ranges from 55 to 60 kDa during self-processing (PMID: 9794799, 14645524).

Notable Publications

Author	Pubmed ID	Journal	Application
Takaya Kotani	33991444	Physiol Rep	WB

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:

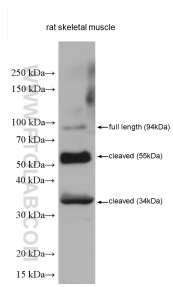
T: 4006900926

E: Proteintech-CN@ptglab.com

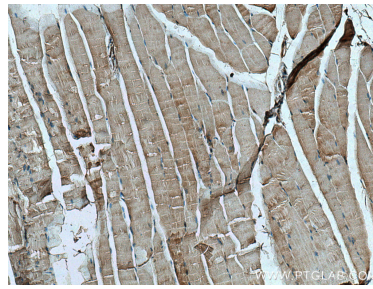
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Selected Validation Data



rat skeletal muscle tissue were subjected to SDS PAGE followed by western blot with 28476-1-AP (CAPN3 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 28476-1-AP (CAPN3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).