For Research Use Only

CAPN3 Monoclonal antibody, PBS Only

Catalog Number:67366-1-PBS

Basic Information

Catalog Number:
67366-1-PBS

Size:
100ug , Concentration: 1 mg/ml by Nanodrop;

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG13179

GenBank Accession Number:
BC004883

GeneID (NCBI):
825

UNIPROT ID:
P20807

Full Name:
calpain 3, (p94)

Calculated MW:
18 kDa

Observed MW:
90-105 kDa, 55-60 kDa, 30-35 kDa

Purification Method:
Protein A purification

CloneNo.:
1G12A5

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
Human, Pig, Mouse, Rat

Background Information

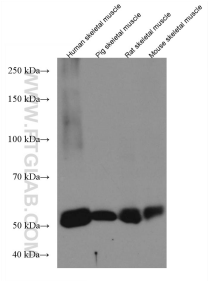
Calpain 3 (CAPN3), a major intracellular protease, is a muscle-specific member of the calpain large subunit family that specifically binds to titin. CAPN3 plays a role in the dysferlin protein complex and that disruption of CAPN3 function may affect muscle membrane repair and remodeling. CAPN3 has some 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).

Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only

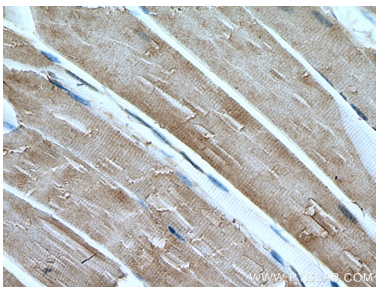
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 67366-1-Ig (CAPN3 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 67366-1-PBS in a different storage buffer formulation.

Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 67366-1-Ig (CAPN3 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 67366-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded mouse skeletal muscle tissue slide using 67366-1-Ig (CAPN3 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 67366-1-PBS in a different storage buffer formulation.