À des fins de recherche uniquement

Anticorps Monoclonal anti-CAPN2

Numéro de catalogue:66977-1-Ig 2 Publications

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Antibodies | ELISA kits | Proteins
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Informations de base

Numéro de catalogue:
66977-1-Ig

Taille:
150ul , Concentration: 1900 μg/ml by Nanodrop and 1000 μg/ml by Bradford method using BSA as the standard;

Hôte:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG28427

Numéro d'acquisition GenBank:
BC021303

Identification du gène (NCBI):
824

Nom complet:
calpain 2, (m/II) large subunit

MW calculé
700 aa, 80 kDa

MW observés:
72-80 kDa

Méthode de purification:
Purification par protéine G

CloneNo.:
1E1F10

Dilutions recommandées:
WB 1:5000-1:50000
IF 1:400-1:1600

Applications

Applications testées:
IF, WB, ELISA

Demandes citées:
IF, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, souris

Contrôles positifs:

WB : cellules A549, cellules HEK-293, cellules HeLa, cellules HepG2, cellules HSC-T6, cellules LNCaP, cellules NIH/3T3, cellules U2OS, tissu cérébral de rat, tissu cérébral de souris, tissu placentaire humain

IF : cellules HepG2,

Informations générales

Calpain 2(Calpain-2 catalytic subunit) is also named as CANPL2, CANPml, mCANP, FLJ39928 and belongs to the peptidase C2 family. N-terminal sequencing of CAPN2 purified from human liver indicates that the N-terminal methionine is removed, resulting in a mature 699-amino acid subunit with a calculated molecular mass of 79.9 kD(PMID:2852952). It is a calcium-regulated non-lysosomal thiol-protease which catalyzes limited proteolysis of substrates involved in cytoskeletal remodelling and signal transduction. It has 2 isoforms produced by alternative splicing with the molecular weight of 80 kDa and 71 kDa.

Publications notables

Autrice	Pubmed ID	Journal	Application
Jonasz Jeremiasz Weber	35482253	Cell Mol Life Sci	IF
Fengming Shen	35498131	Oxid Med Cell Longev	WB

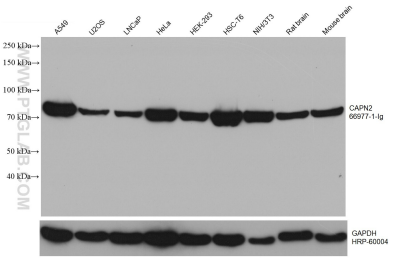
Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3
L'aliquotage n'est pas nécessaire pour le stockage à -20C

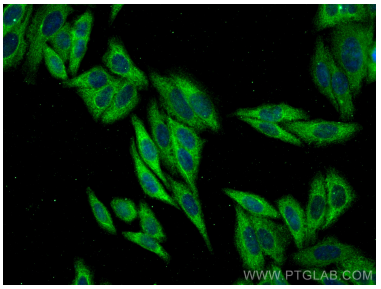
***** Les 20ul contiennent 0,1% de BSA.**

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
W: ptglab.com

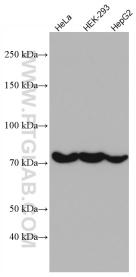
Données de validation sélectionnées



A549 cells were subjected to SDS PAGE followed by western blot with 66977-1-Ig (CAPN2 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



Immunofluorescent analysis of (-20°C Methanol) fixed HepG2 cells using CAPN2 antibody (66977-1-Ig, Clone: 1E1F10) at dilution of 1:800 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Various lysates were subjected to SDS PAGE followed by western blot with 66977-1-Ig (CAPN2 antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.