

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-Cathepsin K



Numéro de catalogue: 11239-1-AP

59 Publications

Informations de base

Numéro de catalogue:
11239-1-AP

Taille:
150ul , Concentration: 550 µg/ml by
Nanodrop;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG1761

Numéro d'acquisition GenBank:
BC016058

Identification du gène (NCBI):
1513

Nom complet:
cathepsin K

MW calculé
39 kDa

MW observés:
29-36 kDa

Méthode de purification:
Purification par affinité contre
l'antigène

Dilutions recommandées:
IP 0.5-4.0 ug for IP and 1:500-1:1000
for WB
IHC 1:100-1:400
IF 1:50-1:500

Applications

Applications testées:
IF, IHC, IP, ELISA

Demandes citées:
IF, IHC

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, poisson-zèbre, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, 'le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

IP : cellules ROS1728,

IHC : tissu de cancer du sein humain, tissu de cancer du poumon humain, tissu d'ostéosarcome humain

IF : tissu cérébral de souris, cellules HepG2

Informations générales

CTSK(cathepsin K), also named as CTSO, CTSO2, is a recently identified lysosomal cysteine proteinase. CTSK is synthesized as a proenzyme of 38 kDa and subsequently enters acidic lysosomal compartments, in which the propeptide is cleaved and transformed into an active enzyme and it may influence adipocyte differentiation through modifying extracellular matrix components(PMID:16912123). It is revealed both the 46-kDa cathepsin-K precursor and the 30-kDa mature form in mouse bone extracts(PMID:9811821). The high CTSK protein levels are only detected in primary cultured fibroblasts derived from normal and neoplastic breast tissue, where the 37- and 25-kDa bands to be detected correspond to pro- and mature proteins through western blot(PMID:18765527). The full length protein has a signal peptides with 15 amino acids and a propeptide with 99 amino acids. CTSK may have cross reaction with the other members of cathepsin family and form a complex of 70 kDa with an unidentified subunit(PMID:1930136).

Publications notables

Autrice	Pubmed ID	Journal	Application
Jada M Selma	34547771	Blood Adv	WB
Shuo Ni	32871020	Cell Prolif	WB
Mobai Li	36243012	Dev Cell	WB,IF

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.

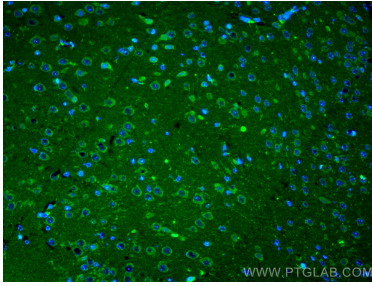
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

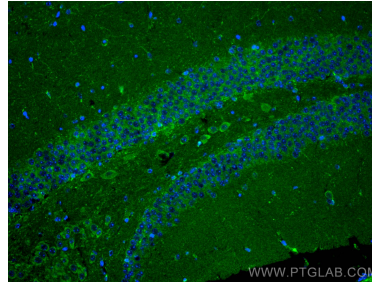
E: proteintech@ptglab.com
W: ptglab.com

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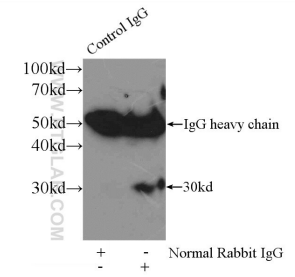
Données de validation sélectionnées



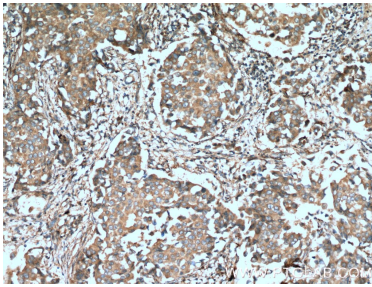
Immunofluorescent analysis of (4% PFA) fixed mouse brain tissue using Cathepsin K antibody (11239-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



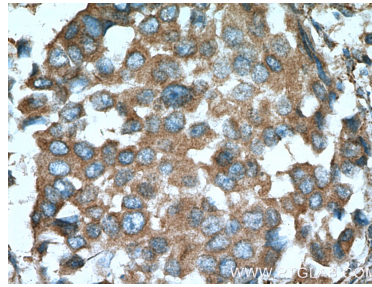
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IP Result of anti-Cathepsin K (IP:11239-1-AP, 3ug; Detection:11239-1-AP 1:500) with ROS1728 cells lysate 3200ug.



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11239-1-AP (Cathepsin K antibody at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11239-1-AP (Cathepsin K antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).