À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-LMTK3

Numéro de catalogue:22899-1-AP

Informations de base

Numéro de catalogue:
22899-1-AP

Taille:
150ul , Concentration: 300 μg/ml by Nanodrop and 173 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Numéro d'acquisition GenBank:
NM_001080434

Identification du gène (NCBI):
114783

Nom complet:
lemur tyrosine kinase 3

MW calculé
154 kDa

MW observés:
~155 kDa

Méthode de purification:
Purifié par affinité contre l'antigène

Dilutions recommandées:
WB 1:500-1:2000
IHC 1:50-1:500

Applications

Applications testées:
IHC, WB, ELISA

Spécificité de l'espèce:
Humain

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:

WB : cellules MCF-7,

IHC : tissu de cancer du sein humain, tissu de cancer du poumon humain

Informations générales

LMTK3 is enriched at a perinuclear structure around Golgi membranes, it is present as a dotted pattern throughout neurites, and localized at neuronal synapses. It is also expected to be expressed in brain and duodenum. LMTK3 is a serine/threonine protein kinase expressed predominantly in brain. LMTK3 regulated ER-alpha stability and activity directly at the mRNA level via downregulation of PKC catalytic activity, resulting in less phosphorylated AKT at ser473. In vitro kinase assays indicated that LMTK3 inhibited the ability of PKC to phosphorylate ER-alpha, thereby affecting ER-alpha activity indirectly at the protein level by protecting it from proteasomal degradation. In agreement, analysis with a breast tumor xenograft mouse model revealed that knockdown of LMTK3 reduced proliferation of ER-alpha-positive breast cancer cells and reduced tumor growth. In addition, LMTK3 abundance and intronic polymorphisms were significantly associated with human cancers, overall patient survival, and predicted response to endocrine therapies. The calculated molecular weight of LMTK3 is 153 kDa.

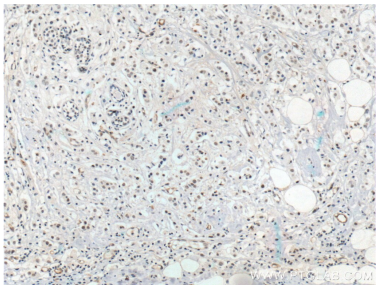
Stockage

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.**

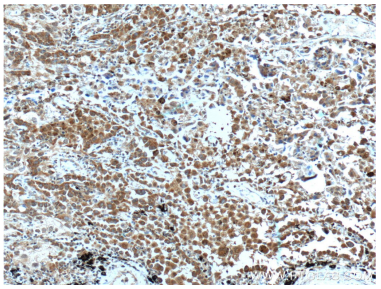
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

Données de validation sélectionnées

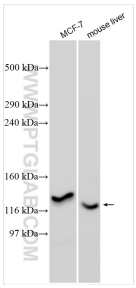


Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 22899-1-AP (LMTK3 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 22899-1-AP (LMTK3 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human lung cancer tissue slide using 22899-1-AP (LMTK3 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Various lysates were subjected to SDS PAGE followed by western blot with 22899-1-AP (LMTK3 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.