À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-MLXIP

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Antibodies | ELISA kits | Proteins
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Numéro de catalogue:13614-1-AP Phare 16 Publications

Informations de base

Numéro de catalogue:
13614-1-AP

Taille:
150ul , Concentration: 450 μg/ml by Nanodrop and 347 μg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG4519

Numéro d'acquisition GenBank:
BC039704

Identification du gène (NCBI):
22877

Nom complet:
MLX interacting protein

MW calculé
919 aa, 100 kDa

MW observés:
130 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:200-1:1000
IP 0.5-4.0 ug for IP and 1:200-1:1000 for WB
IHC 1:20-1:200
IF 1:10-1:100

Applications

Applications testées:
IF, IHC, IP, WB, ELISA

Demandes citées:
ChIP, FC, IHC, IP, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, 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:

WB : cellules K-562,

IP : cellules K-562,

IHC : tissu de muscle squelettique humain, tissu de muscle squelettique de souris

IF : cellules HepG2,

Informations générales

Mlx-interacting protein(MLXIP), after forming heterodimers with MLX, can bind to and then activate transcription from CACGTG E boxes. The N terminus of MLXIP acts as a CRM1-dependent nuclear export signal and contribute to the cytoplasmic localization of the complex, and as a binding site for 13 protein. the C terminus contains a cytoplasmic localization signal and mediates protein-protein interaction of MONDOA and MLX. The complex play a role in transcriptional activation of glycolytic target genes and glucose-responsive gene regulation. This antibody could recognize isoform1(~110kd) and isoform3(~69kd) of MLXIP. A prominent and specific MLXIP of approximately 130 kDa was detected. It demonstrates that MLXIP associated specifically with Mlx in the cytoplasm (PMID: 11073985).

Publications notables

Autrice	Pubmed ID	Journal	Application
Zhizhou Ye	30037981	Mol Cell Biol	WB
Hei-Man Chow	31636448	Nat Neurosci	chIP
Patrick A Carroll	34669700	PLoS Biol	WB,IHC

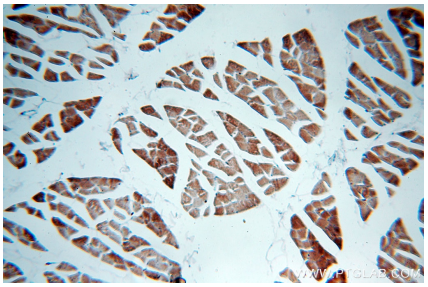
Stockage

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

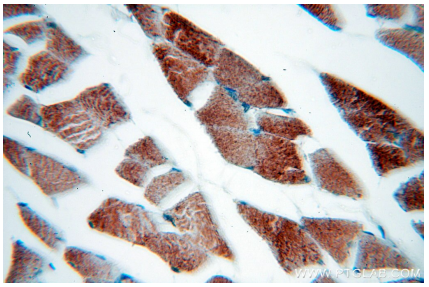
***** Les 20ul contiennent 0,1% de BSA.**

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

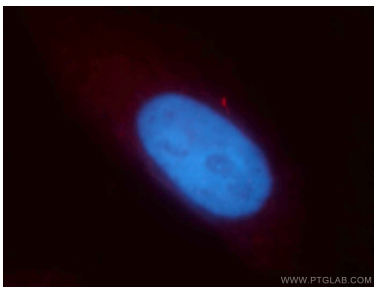
Données de validation sélectionnées



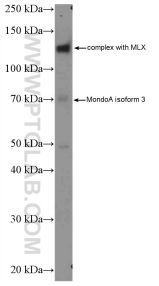
Immunohistochemical analysis of paraffin-embedded human skeletal muscle using 13614-1-AP (MLXIP antibody) at dilution of 1:100 (under 10x lens).



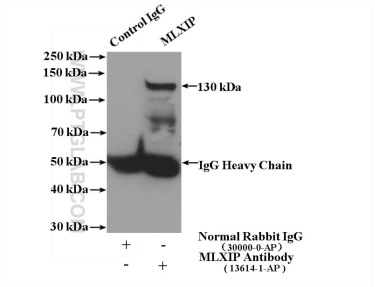
Immunohistochemical analysis of paraffin-embedded human skeletal muscle using 13614-1-AP (MLXIP antibody) at dilution of 1:100 (under 40x lens).



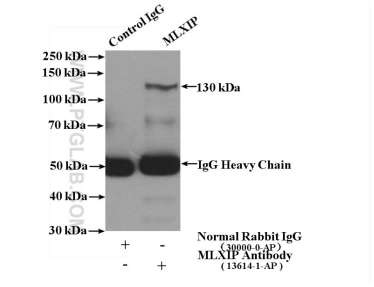
Immunofluorescent analysis of HepG2 cells, using MLXIP antibody 13614-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



K-562 cells were subjected to SDS PAGE followed by western blot with 13614-1-AP (MLXIP Antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.



IP Result of anti-MLXIP (IP:13614-1-AP, 4ug; Detection:13614-1-AP 1:300) with K-562 cells lysate 3200ug.



IP Result of anti-MLXIP (IP:13614-1-AP, 4ug; Detection:13614-1-AP 1:300) with K-562 cells lysate 3200ug.