

À des fins de recherche uniquement

Anticorps Monoclonal anti-AK2

Numéro de catalogue: 66127-1-Ig Phare



Informations de base

Numéro de catalogue: 66127-1-Ig	Numéro d'acquisition GenBank: BC009405	Méthode de purification: Purification par protéine A
Taille: 150ul, Concentration: 2500 µg/ml by 204 Nanodrop and 1800 µg/ml by Bradford method using BSA as the standard;	Identification du gène (NCBI): 204	CloneNo.: 3H2C10
Hôte: Mouse	Nom complet: adenylate kinase 2	Dilutions recommandées: WB 1:5000-1:50000 IHC 1:20-1:200 IF 1:20-1:200
Isotype: IgG2a	MW calculé: 26 kDa	
Immunogen Catalog Number: AG17911	MW observés: 29 kDa	

Applications

Applications testées:
FC, IF, 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 HeLa, cellules 4T1, cellules HEK-293, cellules HepG2, cellules HSC-T6, cellules Jurkat, cellules K-562, cellules NIH/3T3, cellules PC-12

IHC : tissu hépatique humain, tissu cardiaque humain

IF : cellules HepG2, cellules HeLa

Informations générales

AK2(Adenylate kinase 2, mitochondrial) is also named as ADK2 and belongs to the adenylate kinase family. It plays a unique role in energy metabolism and energy transfer by regulating the ATP/ADP rate between the cytoplasmic matrix and the mitochondria and it is increased expression during adipocyte and B cell differentiation(PMID:23020757). AK2 catalyzes the reversible transfer of a phosphoryl group from ATP to AMP(PMID:19043417). Defects in AK2 are the cause of reticular dysgenesis (RDYS)(PMID:19043416). It has 6 isoforms produced by alternative splicing.

Stockage

Stockage:
Stocker à -20°C. Stable pendant un an après l'expédition.
Tampon de stockage:
PBS avec azotate 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.

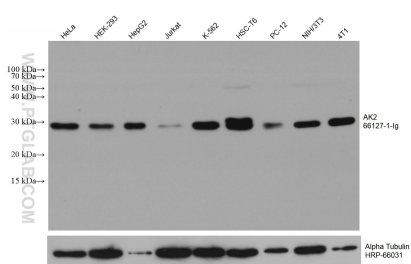
For technical support and original validation data for this product please contact:

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

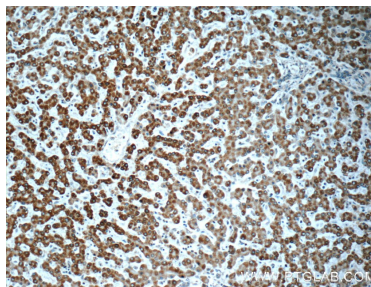
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

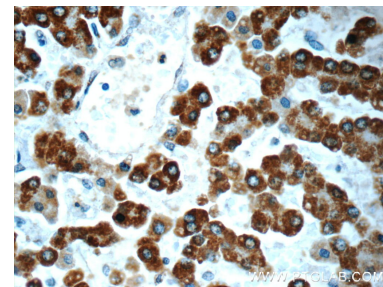
Données de validation sélectionnées



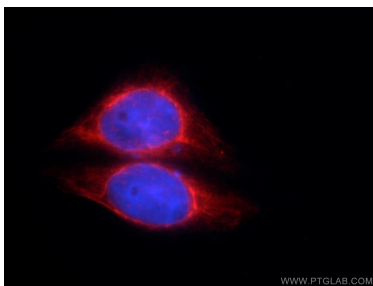
Various lysates were subjected to SDS PAGE followed by western blot with 66127-1-Ig (AK2 antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated Alpha Tubulin Monoclonal antibody (HRP-66031) as loading control.



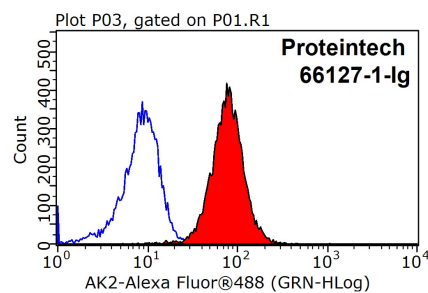
Immunohistochemical analysis of paraffin-embedded human liver slide using 66127-1-Ig (AK2 Antibody) at dilution of 1:50.



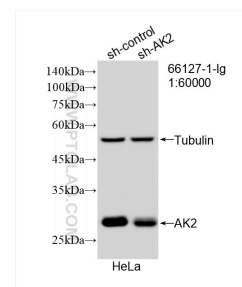
Immunohistochemical analysis of paraffin-embedded human liver slide using 66127-1-Ig (AK2 Antibody) at dilution of 1:50.



Immunofluorescent analysis of HepG2 cells using 66127-1-Ig (AK2 antibody) at dilution of 1:50 and Rhodamine-Goat anti-Mouse IgG.



1×10^6 HepG2 cells were stained with .2ug AK2 antibody (66127-1-Ig, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Mouse IgG(H+L) with dilution 1:1000.



WB result of AK2 antibody (66127-1-Ig; 1:60000; incubated at room temperature for 1.5 hours) with sh-Control and sh-AK2 transfected HeLa cells.