

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-AK2



Numéro de catalogue: 11014-1-AP

7 Publications

Informations de base

Numéro de catalogue:
11014-1-AP

Taille:
150ul, Concentration: 800 µg/ml by Nanodrop and 213 µg/ml by Bradford method using BSA as the standard;

Hôte:
Lapin

Isotype:
IgG

Immunogen Catalog Number:
AG1464

Numéro d'acquisition GenBank:
BC009405

Identification du gène (NCBI):
204

Nom complet:
adenylate kinase 2

MW calculé
26 kDa

MW observés:
26 kDa

Méthode de purification:
Purification par affinité contre l'antigène

Dilutions recommandées:
WB 1:1000-1:4000
IP 0.5-4.0 ug for IP and 1:500-1:1000 for WB
IHC 1:50-1:500
IF 1:50-1:500

Applications

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

Demandes citées:
IF, IHC, WB

Spécificité de l'espèce:
Humain, rat, souris

Espèces citées:
Humain, poisson-zèbre, 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 HL-60, cellules HeLa, cellules HepG2, tissu hépatique de rat, tissu hépatique de souris, tissu rénal de rat, tissu rénal de souris

IP : tissu hépatique de souris,

IHC : tissu de cancer du pancréas humain,

IF : cellules HepG2,

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 cytoplasm 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.

Publications notables

Autrice	Pubmed ID	Journal	Application
Nasrinsadat Nabavizadeh	36652330	EMBO Mol Med	WB
Yinhuan Zhang	36615221	Molecules	WB
Nathalie Escande-Beillard	32330411	Neuron	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.

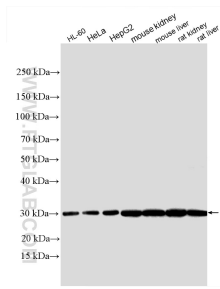
For technical support and original validation data for this product please contact:

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

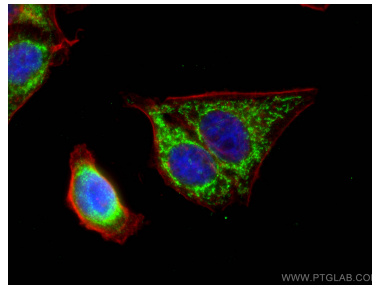
E: proteintech@ptglab.com
W: ptglab.com

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

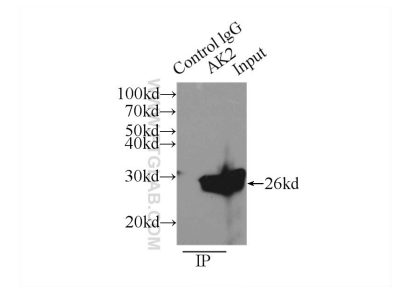
Données de validation sélectionnées



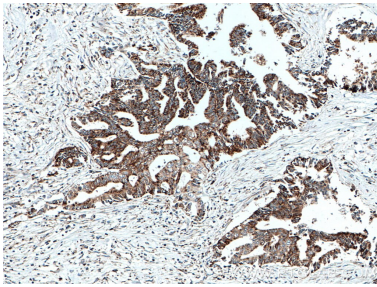
Various lysates were subjected to SDS PAGE followed by western blot with 11014-1-AP (AK2 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



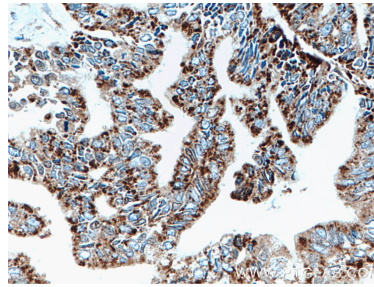
Immunofluorescent analysis of (4% PFA) fixed HepG2 cells using AK2 antibody (11014-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).



IP Result of anti-AK2 (IP:11014-1-AP, 3ug; Detection:11014-1-AP 1:800) with mouse liver tissue lysate 12500ug.



Immunohistochemical analysis of paraffin-embedded human pancreas cancer tissue slide using 11014-1-AP (AK2 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 pancreas cancer tissue slide using 11014-1-AP (AK2 antibody) at dilution of 1:200 (under 40x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).