

À des fins de recherche uniquement

# Anticorps Polyclonal de lapin anti-ATP5J



Numéro de catalogue: 14114-1-AP

3 Publications

## Informations de base

Numéro de catalogue:  
14114-1-AP

Taille:  
150ul, Concentration: 1000 µg/ml by  
Nanodrop and 400 µg/ml by Bradford  
method using BSA as the standard;

Hôte:  
Lapin

Isotype:  
IgG

Immunogen Catalog Number:  
AG5263

Numéro d'acquisition GenBank:  
BC066310

Identification du gène (NCBI):

Nom complet:  
ATP synthase, H<sup>+</sup> transporting,  
mitochondrial F<sub>0</sub> complex, subunit F<sub>6</sub>

MW calculé

13 kDa

MW observés:

9 kDa

Méthode de purification:  
Purification par affinité contre  
l'antigène

Dilutions recommandées:  
WB 1:500-1:2000  
IP 0.5-4.0 ug for IP and 1:200-1:1000  
IHC 1:20-1:200

## Applications

Applications testées:  
IHC, IP, WB, ELISA

Demandes citées:  
WB

Spécificité de l'espèce:  
Humain, rat, souris

Espèces citées:  
Lapin, rat, souris

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

Contrôles positifs:

WB : cellules HUVEC, cellules SKOV-3, tissu cardiaque humain, tissu hépatique de souris, tissus cardiaques de rat, tissus cardiaques de souris

IP : cellules HEK-293,

IHC : tissu d'ostéosarcome humain,

## Informations générales

ATP5J, also known as coupling factor 6 (CF6), is a soluble integral component of mitochondrial ATP synthase. Mitochondrial ATP synthase is a multi-subunit membrane-bound enzyme that catalyzes the synthesis of ATP by utilizing a proton electrochemical gradient. It consists of three domains, namely the extrinsic and intrinsic membrane domains (F1 and F<sub>0</sub>, respectively) joined by a stalk. CF6 is one of the subunits in the stalk and an essential component for energy transduction. Recently CF6 has also been reported to play a crucial role in the development of INS resistance and hypertension. CF6 is first synthesized as an immature form in the cytosol, then transported to the mitochondria by an import signal peptide and becomes an active form with the signal peptide cleaved. Western blot analysis of CF6 demonstrates a single band around 9 kDa to 12 kDa in various tissues including heart, liver, brain and HUVEC (human umbilical vein endothelial cells).

## Publications notables

Autrice	Pubmed ID	Journal	Application
Fan Wang	33942232	Arch Pharm Res	WB
Linyi Song	35370945	Front Endocrinol (Lausanne)	WB
Weijie Sun	37467890	J Proteomics	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.

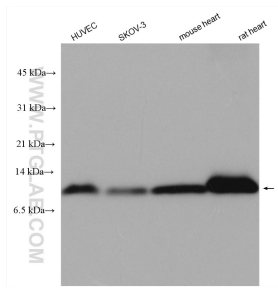
For technical support and original validation data for this product please contact:

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

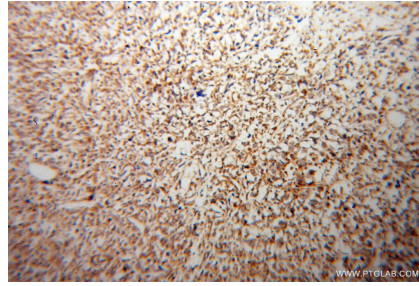
E: proteintech@ptglab.com  
W: ptglab.com

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

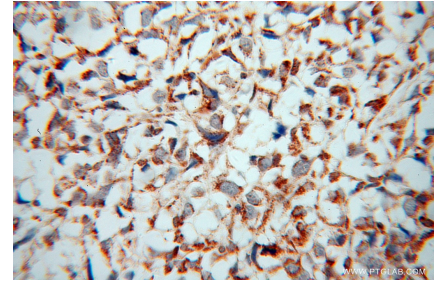
## Données de validation sélectionnées



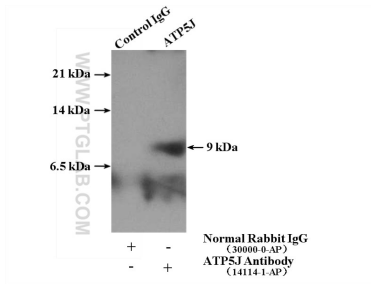
Various lysates were subjected to SDS PAGE followed by western blot with 14114-1-AP (ATP5J antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human osteosarcoma using 14114-1-AP (ATP5J antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human osteosarcoma using 14114-1-AP (ATP5J antibody) at dilution of 1:100 (under 40x lens).



IP Result of anti-ATP5J (IP:14114-1-AP, 4ug; Detection:14114-1-AP 1:300) with HEK-293 cells lysate 3680ug.