Nur für Forschungszwecke

ATP5J Polyklonaler Antikörper

Katalog-Nr.:14114-1-AP 2 Publikationen

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Antibodies | ELISA kits | Proteins
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Allgemeine Informationen

Katalog-Nr.:
14114-1-AP

Größe:
150ul , Konzentration: 1000 μg/ml von Nanodrop und 400 μg/ml durch die Bradford-Methode mit BSA als Standard;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG5263

GenBank-Zugangsnummer:
BC066310

GeneID (NCBI):
522

Vollständiger Name:
ATP synthase, H+ transporting, mitochondrial F0 complex, subunit F6

Berechneté Masse:
13 kDa

Beobachteté Masse:
9 kDa

Reinigungsmethode:
Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:
WB 1:500-1:2000
IP 0.5-4.0 ug für IP und 1:200-1:1000 für WB
IHC 1:20-1:200

Anwendungen

Geprüfte Anwendungen:
IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Maus, Ratte

Hinweis-IHC: Antigendemaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigendemaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB : HUVEC-Zellen, humanes Herzgewebe, Mauslebergewebe, SKOV-3-Zellen

IP : HEK-293-Zellen,

IHC : humanes Osteosarkomgewebe,

Hintergrundinformationen

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 F0, 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).

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Fan Wang	33942232	Arch Pharm Res	WB
Linyi Song	35370945	Front Endocrinol (Lausanne)	WB

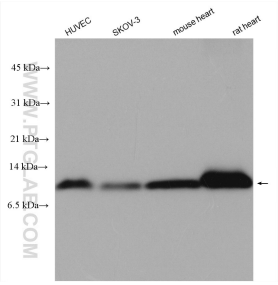
Lagerung

Lagerungsbedingungen:
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil
Lagerungspuffer:
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.
Aliquotieren ist nicht notwendig bei -20°C lagerung

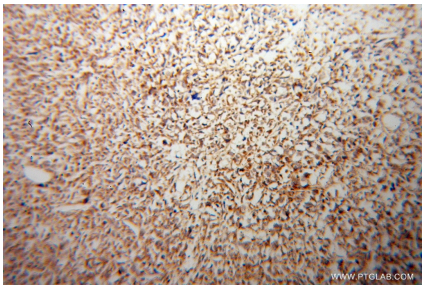
*** 20ul-Größen enthalten 0.1% BSA

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

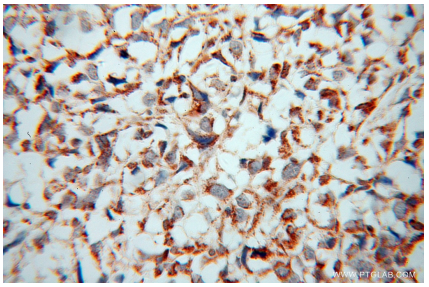
Ausgewählte Validierungsdaten



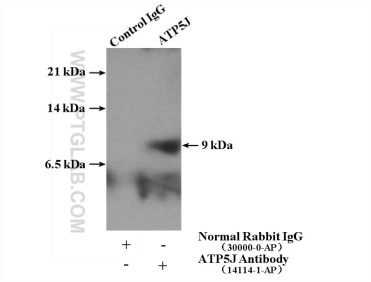
Various lysates were subjected to SDS PAGE followed by western blot with 14114-1-AP (ATP5J antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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.