

Nur für Forschungszwecke

# PAICS Polyklonaler Antikörper

Katalog-Nr.:12967-1-AP

Vorgestelltes Produkt

3 Publikationen



## Allgemeine Informationen

<b>Katalog-Nr.:</b> 12967-1-AP	<b>GenBank-Zugangsnummer:</b> BC010273	<b>Reinigungsmethode:</b> Antigen-Affinitätsreinigung
<b>Größe:</b> 150ul , Konzentration: 550 µg/ml von Nanodrop;	<b>GeneID (NCBI):</b> 10606	<b>Empfohlene Verdünnungen:</b> WB 1:1000-1:8000 IHC 1:50-1:500
<b>Wirt:</b> Kaninchen	<b>Vollständiger Name:</b> phosphoribosylaminoimidazole carboxylase, phosphoribosylaminoimidazole succinocarboxamide synthetase	
<b>Isotyp:</b> IgG	<b>Berechnete Masse:</b> 425 aa, 47 kDa	
<b>Immunogen Katalognummer:</b> AG3621	<b>Beobachtete Masse:</b> 47 kDa	

## Anwendungen

<b>Geprüfte Anwendungen:</b> FC, IHC, WB, ELISA	<b>Positivkontrollen:</b> WB : HL-60-Zellen, HeLa-Zellen, Jurkat-Zellen, K-562-Zellen, Mausherzgewebe, Maushirngewebe, Raji-Zellen, THP-1-Zellen
<b>In Publikationen genannte Anwendungen:</b> ColP, IF, WB	<b>IHC :</b> humanes Lebergewebe, humanes Hodengewebe
<b>Getestete Reaktivität:</b> Human, Maus	
<b>Zitierte Arten:</b> Human, Maus	

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

## Hintergrundinformationen

PAICS is also named as ADE2(Multifunctional protein), AIRC, PAIS. It is an important bifunctional enzyme in de novo purine biosynthesis in vertebrate with both 5-aminoimidazole ribonucleotide carboxylase (AIRC) and 4-(N-succinylcarboxamide)-5-aminoimidazole ribonucleotide synthetase (SAICARs) activities. It becomes an attractive target for rational anticancer drug design, since rapidly dividing cancer cells rely heavily on the purine de novo pathway for synthesis of adenine and guanine, whereas normal cells favor the salvage pathway(PMID:17224163).

## Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Eunus S Ali	32485148	Mol Cell	WB
Minjun Meng	30097015	Biol Res	WB
Seiya Yamada	32344379	iScience	IF,ColP

## Lagerung

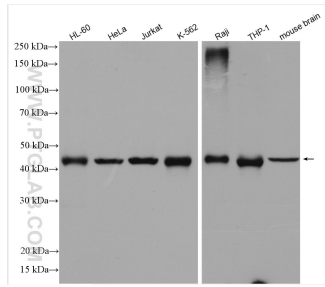
**Lagerungsbedingungen:**  
Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil  
**Lagerungspuffer:**  
PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.  
Aliquotieren ist nicht notwendig bei -20°C Lagerung

\*\*\* 20ul-Größen enthalten 0.1% BSA

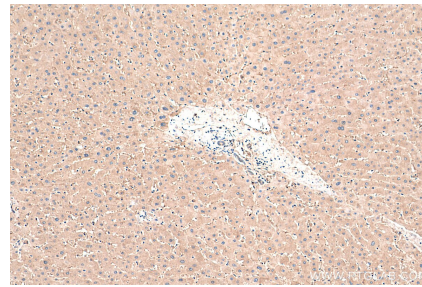
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: proteintech@ptglab.com  
W: ptglab.com

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

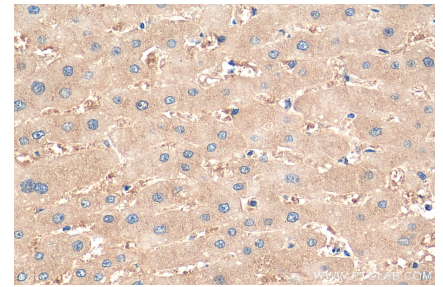
## Ausgewählte Validierungsdaten



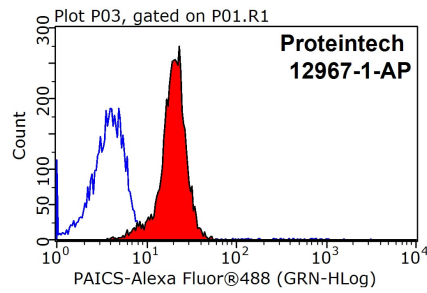
Various lysates were subjected to SDS PAGE followed by western blot with 12967-1-AP (PAICS antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human liver tissue slide using 12967-1-AP (PAICS 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 liver tissue slide using 12967-1-AP (PAICS antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



1X10<sup>6</sup> HeLa cells were stained with 0.2ug PAICS antibody (12967-1-AP, red) and control antibody (blue). Fixed with 90% MeOH blocked with 3% BSA (30 min). Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) with dilution 1:1500.