

Nur für Forschungszwecke

TrpRS Polyklonaler Antikörper

Katalog-Nr.:16081-1-AP

Vorgestelltes Produkt

1 Publikationen



Allgemeine Informationen

Katalog-Nr.: 16081-1-AP	GenBank-Zugangsnummer: BC017489	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 500 µg/ml von Nanodrop;	GeneID (NCBI): 7453	Empfohlene Verdünnungen: WB 1:1000-1:4000
Wirt: Kaninchen	Vollständiger Name: tryptophanyl-tRNA synthetase	IP 0.5-4.0 ug für IP und 1:500-1:1000 für WB
Isotyp: IgG	Berechnete Masse: 471 aa, 53 kDa	IHC 1:50-1:500
Immunogen Katalognummer: AG9079	Beobachtete Masse: 53 kDa	IF 1:10-1:100

Anwendungen

Geprüfte Anwendungen:
FC, IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:
WB

Getestete Reaktivität:
Human, Maus, Ratte

Zitierte Arten:
Human

Positivkontrollen:

WB : HeLa-Zellen, HEK-293T-Zellen, HepG2-Zellen, JAR-Zellen, Jurkat-Zellen

IP : HepG2-Zellen,

IHC : humanes Ovarialkarzinomgewebe, humanes Kolonkarzinomgewebe

IF : HepG2-Zellen,

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

Hintergrundinformationen

TrpRS is also named as IFI53, WRS, WARS and belongs to the class-I aminoacyl-tRNA synthetase family. It catalyzes activation of tryptophan by ATP and transfer to tRNATrP, ensuring translation of the genetic code for tryptophan. TrpRS is thought to be more closely related to TyrRS than to any other class I enzyme, but the significance of this relationship has been questioned (PMID:7743129). It can exist as a dimer (PMID:7743129). It has 2 isoforms produced by alternative splicing.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Rui Qin	34326168	J Immunother Cancer	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**

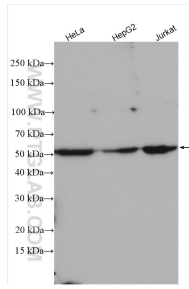
For technical support and original validation data for this product please contact:

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

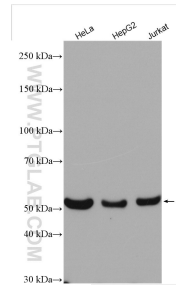
E: proteintech@ptglab.com
W: ptglab.com

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

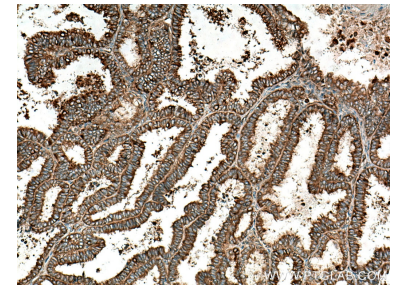
Ausgewählte Validierungsdaten



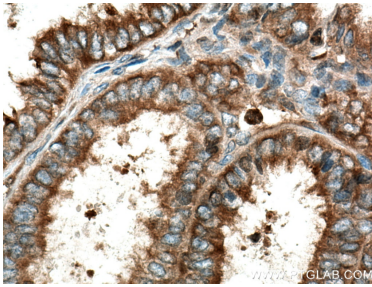
Various lysates were subjected to SDS PAGE followed by western blot with 16081-1-AP (TrpRS antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



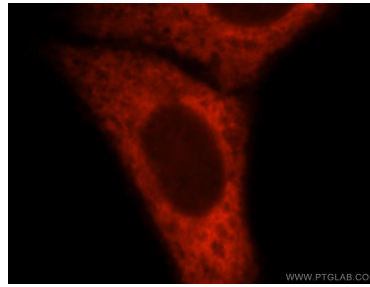
Various lysates were subjected to SDS PAGE followed by western blot with 16081-1-AP (TrpRS antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



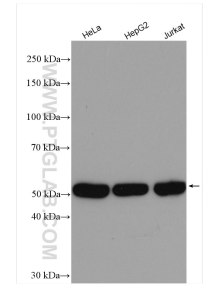
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 16081-1-AP (TrpRS antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



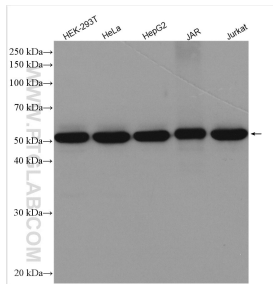
Immunohistochemical analysis of paraffin-embedded human ovary tumor tissue slide using 16081-1-AP (TrpRS antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



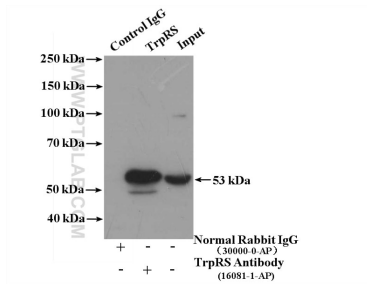
Immunofluorescent analysis of HepG2 cells, using WARS antibody 16081-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



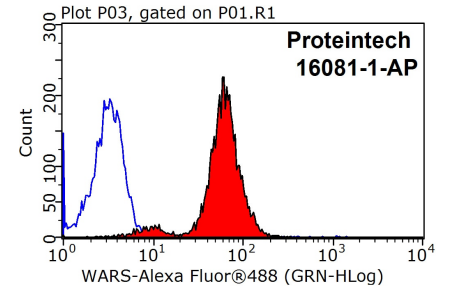
Various lysates were subjected to SDS PAGE followed by western blot with 16081-1-AP (TrpRS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



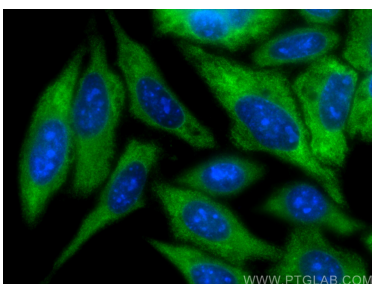
Various lysates were subjected to SDS PAGE followed by western blot with 16081-1-AP (TrpRS antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



IP Result of anti-TrpRS (IP:16081-1-AP, 4ug; Detection:16081-1-AP 1:500) with HepG2 cells lysate 3000ug.



1X10⁶ HepG2 cells were stained with 0.2ug TrpRS antibody (16081-1-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.



Immunofluorescent analysis of (-20°C Methanol)
fixed HepG2 cells using TrpRS antibody (16081-1-
AP) at dilution of 1:400 and CoraLite®488-
Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).