

Nur für Forschungszwecke

PYCR1 Polyklonaler Antikörper

Katalog-Nr.:13108-1-AP

Vorgestelltes Produkt

39 Publikationen



Allgemeine Informationen

Katalog-Nr.: 13108-1-AP	GenBank-Zugangsnummer: BC022244	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul , Konzentration: 900 µg/ml von Nanodrop;	GeneID (NCBI): 5831	Empfohlene Verdünnungen: WB 1:1000-1:4000 IP 0.5-4.0 ug für IP und 1:500-1:1000 für WB
Wirt: Kaninchen	Vollständiger Name: pyrroline-5-carboxylate reductase 1	IHC 1:100-1:400 IF 1:50-1:400
Isotyp: IgG	Berechnete Masse: 319 aa, 33.8 kDa	
Immunogen Katalognummer: AG3764	Beobachtete Masse: 33 kDa, 35 kDa	

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

IF, IHC, IP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus, Zebrafisch

Positivkontrollen:

WB : COLO 320-Zellen, HeLa-Zellen, HT-1080.Zellen, humanes Hirngewebe, Mausembryogewebe, Maushirngewebe, NIH/3T3-Zellen, Rattenhirngewebe

IP : Maushirngewebe,

IHC : humanes Prostatakarzinomgewebe,

IF : MCF-7-Zellen,

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

Hintergrundinformationen

PYCR1, also named as P5CR1, belongs to the pyrroline-5-carboxylate reductase family. It is a housekeeping enzyme that catalyzes the last step in proline biosynthesis. PYCR1 can utilize both NAD and NADP, but has higher affinity for NAD. It is involved in the cellular response to oxidative stress. Mutation in PYCR1 will cause ARCL type II (ARCL2B). Some mutation will cause DeBary syndrome (DBS) which is characterized by progeroid features, ophthalmological abnormalities, intrauterine growth retardation, and cutis laxa. The MW of PYCR1 is about 33-35 kDa. PYCR1 has 3 isoforms produced by alternative splicing. This antibody may have cross reaction to PYCR2 due to the high homology.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Hisayo Jin	27796797	Cell Stress Chaperones	
Ling Guo	33004813	Nat Commun	WB,IHC,IP
Yingyi Ye	30568501	Cancer Manag Res	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**

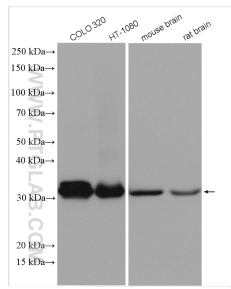
For technical support and original validation data for this product please contact:

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

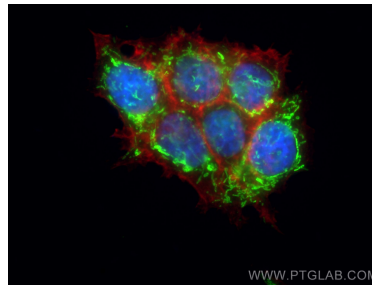
E: proteintech@ptglab.com
W: ptglab.com

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

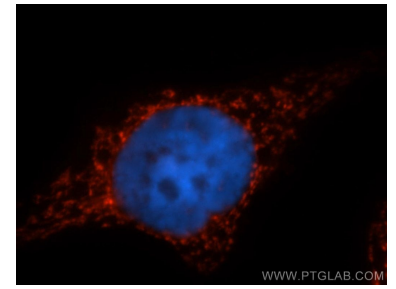
Ausgewählte Validierungsdaten



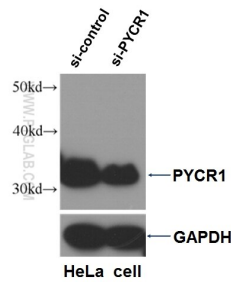
Various lysates were subjected to SDS PAGE followed by western blot with 13108-1-AP (PYCR1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



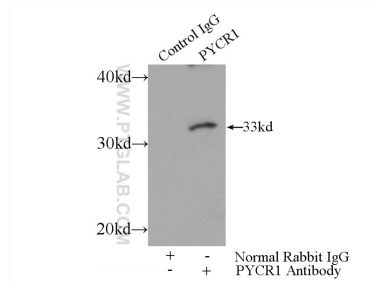
Immunofluorescent analysis of (4% PFA) fixed MCF-7 cells using PYCR1 antibody (13108-1-AP) at dilution of 1:400 and CoraLite@488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L), CL594-Phalloidin (red).



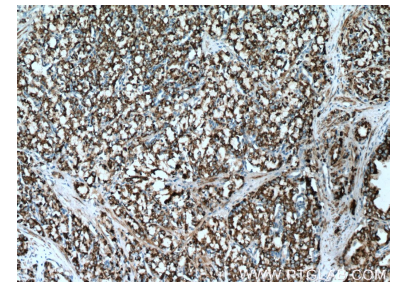
Immunofluorescent analysis of MCF-7 cells, using PYCR1 antibody 13108-1-AP at 1:50 dilution and Rhodamine-labeled goat anti-rabbit IgG (red). Blue pseudocolor = DAPI (fluorescent DNA dye).



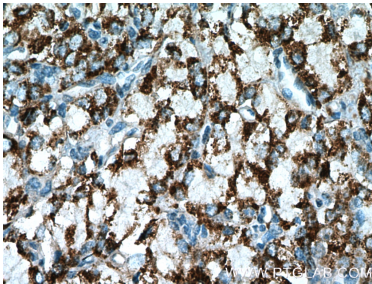
WB result of PYCR1 antibody (13108-1-AP, 1:5000) with si-Control and si-PYCR1 transfected HeLa cells.



IP Result of anti-PYCR1 (IP:13108-1-AP, 3ug; Detection:13108-1-AP 1:700) with mouse brain tissue lysate 4000ug.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 13108-1-AP (PYCR1 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 prostate cancer tissue slide using 13108-1-AP (PYCR1 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).