

Allgemeine Informationen

Katalog-Nr.:
10387-1-AP

Größe:
150ul, Konzentration: 700 µg/ml von
Nanodrop und 333 µg/ml durch die
Bradford-Methode mit BSA als
Standard;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG0586

GenBank-Zugangsnummer:
BC003571

GeneID (NCBI):
5451

Vollständiger Name:
POU class 2 homeobox 1

Berechnete Masse:
76 kDa

Beobachtete Masse:
90 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:2000-1:12000

IP 0.5-4.0 µg für IP und 1:200-1:1000
für WB

IHC 1:50-1:500

IF 1:10-1:100

Anwendungen

Geprüfte Anwendungen:

IF, IHC, IP, WB, ELISA

In Publikationen genannte Anwendungen:

ChIP, IF, WB

Getestete Reaktivität:

Human

Zitierte Arten:

Hausschwein, Human, 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 : HEK-293-Zellen, HeLa-Zellen, HepG2-Zellen, NCCIT-Zellen

IP : HeLa-Zellen,

IHC : humanes Kolonkarzinomgewebe, humanes Lymphomgewebe

IF : HeLa-Zellen,

Hintergrundinformationen

The POU class 2 homeobox 1 (POU2F1), also known as octamer-binding transcription factor-1 (OCT-1), is a ubiquitous nuclear protein that regulates the transcription of target genes by binding to a cis-acting octamer element(5'-ATTTGCAT-3'). It participated in the regulation of housekeeping genes, including histone H2B and snRNAs, for cell differentiation and proliferation [PMID:3462701]. In addition, it functions as a cellular stress sensor that modulates activities of tissue-specific target genes involved in immune and inflammatory responses [PMID:16322220]. It also acts as a repressor for the cytokine-inducible, NF-κB-dependent expression of E-selectin and the vascular cell adhesion molecule during vascular inflammation. Otherwise, it can interact with nuclear hormone receptors, such as the retinoid X receptor, the thyroid hormone receptor and the glucocorticoid receptor, and influence their transcription activity[PMID:17192276].

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Erina Minato	31758567	Microbiol Immunol	WB
Elisa Närvä	35677646	iScience	WB
Ni Zeng	29604329	Mol Cell Endocrinol	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**

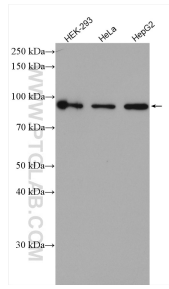
For technical support and original validation data for this product please contact:

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

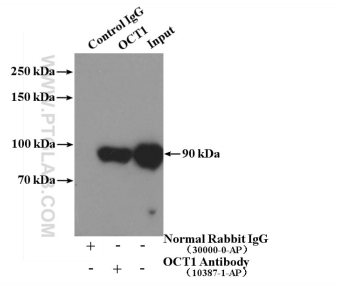
E: proteintech@ptglab.com
W: ptglab.com

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

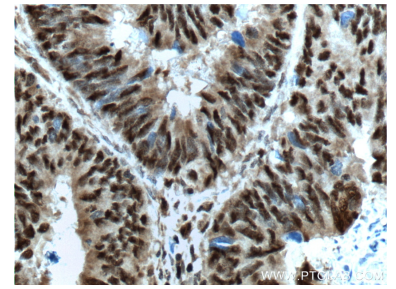
Ausgewählte Validierungsdaten



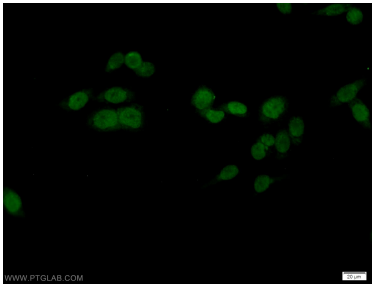
Various lysates were subjected to SDS PAGE followed by western blot with 10387-1-AP (OCT1 antibody) at dilution of 1:6000 incubated at room temperature for 1.5 hours.



IP Result of anti-OCT1 (IP:10387-1-AP, 4ug; Detection:10387-1-AP 1:300) with HeLa cells lysate 1600ug.



Immunohistochemical analysis of paraffin-embedded human colon cancer tissue slide using 10387-1-AP (OCT1 antibody at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of HeLa cells using 10387-1-AP (OCT1 antibody) at dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).