

Allgemeine Informationen

Katalog-Nr.:
17810-1-AP

Größe:
150ul , Konzentration: 700 µg/ml von
Nanodrop und 367 µg/ml durch die
Bradford-Methode mit BSA als
Standard;

Wirt:
Kaninchen

Isotyp:
IgG

Immunogen Katalognummer:
AG12115

GenBank-Zugangsnummer:
BC031935

GeneID (NCBI):
6047

Vollständiger Name:
ring finger protein 4

Berechnete Masse:
190 aa, 21 kDa

Beobachtete Masse:
30 kDa

Reinigungsmethode:

Antigen-Affinitätsreinigung

Empfohlene Verdünnungen:

WB 1:500-1:1000
IP 0.5-4.0 ug für IP und 1:200-1:1000
für WB

Anwendungen

Geprüfte Anwendungen:

IP, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, WB

Getestete Reaktivität:

Human, Maus, Ratte

Zitierte Arten:

Human, Maus

Positivkontrollen:

WB : PC-3-Zellen,

IP : PC-3-Zellen,

Hintergrundinformationen

RNF4 is a E3 ubiquitin-protein ligase that binds polysumoylated chains covalently attached to proteins and mediates 'Lys-6', 'Lys-11', 'Lys-48' and 'Lys-63'-linked polyubiquitination of those substrates and their subsequent targeting to the proteasome for degradation. It regulates the degradation of several proteins including PML and PEA3[PMID:18408734]. It also participates in chromosome alignment and spindle assembly, and regulates the kinetochore CENPH-CENPI-CENPK complex by targeting polysumoylated CENPI to proteasomal degradation. In addition, RNF4 can regulate the cellular responses to hypoxia and heat shock through degradation of respectively EPAS1 and PARP1 [PMID:20026589]. Alternatively, it may also bind DNA/nucleosomes and have a more direct role in the regulation of transcription for instance enhancing basal transcription and steroid receptor-mediated transcriptional activation [PMID:11319220]. RNF4 exist as two isoforms. Isoform one is a 30 kDa protein and isoform two is a about 15 kDa protein. RNF4 binds polysumoylated chains and the molecular weight of RNF4 migrate in the experiment to 35 kDa, 47 kDa, 69 kDa as ubiquitinated protein.

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Tao Zhang	36050397	Nat Commun	WB
Tatsuya Shimada	34071450	Int J Mol Sci	WB
Carl C Ward	31059647	ACS Chem Biol	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

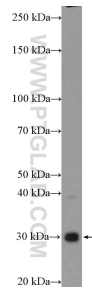
For technical support and original validation data for this product please contact:

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

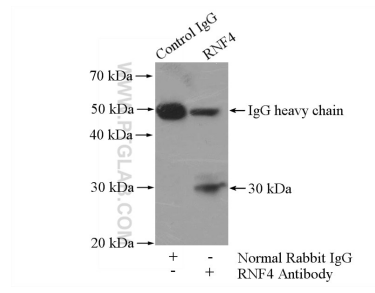
E: proteintech@ptglab.com
W: ptglab.com

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Ausgewählte Validierungsdaten



PC-3 cells were subjected to SDS PAGE followed by western blot with 17810-1-AP (RNF4 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.



IP Result of anti-RNF4 (IP:17810-1-AP, 4ug; Detection:17810-1-AP 1:300) with PC-3 cells lysate 3200ug.