

For Research Use Only

RNF6 Polyclonal antibody

Catalog Number: 20437-1-AP

Featured Product

6 Publications



Basic Information

Catalog Number:

20437-1-AP

Size:

150ul, Concentration: 220 ug/ml by Nanodrop and 213 ug/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG14209

GenBank Accession Number:

BC034688

GeneID (NCBI):

6049

UNIPROT ID:

Q9Y252

Full Name:

ring finger protein (C3H2C3 type) 6

Calculated MW:

685 aa, 78 kDa

Observed MW:

78 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IP 0.5-4.0 ug for 1.0-3.0 mg of total protein lysate

IF/ICC 1:50-1:500

Applications

Tested Applications:

WB, IF/ICC, IP, ELISA

Cited Applications:

WB, IHC, IF, IP, ChIP

Species Specificity:

human, mouse

Cited Species:

human, mouse

Positive Controls:

WB : mouse testis tissue, PC-3 cells

IP : mouse testis tissue,

IF/ICC : SW480 cells,

Background Information

RNF6 was firstly cloned in a genetic study of chromosomal rearrangements in myeloproliferative disorders, mapping to chromosome 13q12.12 [PMID:10331950]. It containing a coiled-coil domain at the N-terminus, and a RING-H2 finger at the C-terminus which is responsible for its ubiquitin ligase activity. It also activate Inha gene expression by participating in a protein complex binding to the promoter region [PMID:11971979]. In addition, LIMK1 is a substrate of RNF6 and the RNF6-induced LIMK1 polyubiquitination is mediated via K48 of ubiquitin and leads to proteasomal degradation of the kinase [PMID:16204183].

Notable Publications

Author	Pubmed ID	Journal	Application
Ying Ren	31645658	Acta Pharmacol Sin	WB
Hui Xu	34611311	Oncogene	WB, IF, ChIP
Yile Sun	35278611	Cancer Lett	IHC

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

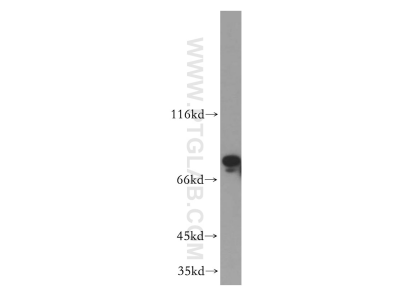
For technical support and original validation data for this product please contact:

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

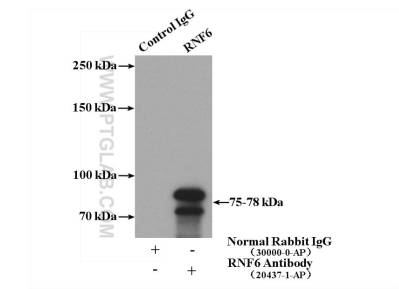
E: proteintech@ptglab.com
W: ptglab.com

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

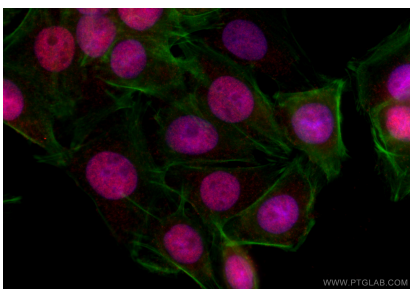
Selected Validation Data



mouse testis tissue were subjected to SDS PAGE followed by western blot with 20437-1-AP (RNF6 antibody) at dilution of 1:800 incubated at room temperature for 1.5 hours.



IP result of anti-RNF6 (IP:20437-1-AP, 4ug; Detection:20437-1-AP 1:800) with mouse testis tissue lysate 4000ug.



Immunofluorescent analysis of (4% PFA) fixed SW480 cells using RNF6 antibody (20437-1-AP) at dilution of 1:200 and CoraLite®594-Conjugated Goat Anti-Rabbit IgG(H+L) (SA00013-4), CL488-phalloidin (green).