

For Research Use Only

TIMP1 Polyclonal antibody

Catalog Number: 32669-1-AP



Basic Information

Catalog Number:

32669-1-AP

Size:

150ul, Concentration: 550 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG3212

GenBank Accession Number:

NM_053819.1

GeneID (NCBI):

116510

UNIPROT ID:

P30120

Full Name:

TIMP metalloproteinase inhibitor 1

Calculated MW:

24 kDa

Observed MW:

28 kDa

Purification Method:

Antigen affinity Purification

Recommended Dilutions:

WB: 1:500-1:1000

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

Applications

Tested Applications:

WB, IP, ELISA

Species Specificity:

rat

Positive Controls:

WB : rat lung tissue,

IP : rat lung tissue,

Background Information

TIMP1 is a member of the family of matrix metalloproteinase inhibitors, which contains four members (TIMP1, TIMP2, TIMP3, and TIMP4). Tissue inhibitors of metalloproteinases (TIMPs) are multifaceted molecules that exhibit properties beyond their classical proteinase inhibitory function. TIMP1 has several MMP-independent functions such as modulation of angiogenesis, promotion of cell proliferation, and inhibition of apoptosis. TIMP1 plays important role in cell cycle regulation and cancer progression. Recently, clinical studies have shown that the aberrant expression of TIMP1 is associated with an unfavorable prognosis in a series of tumors, such as gastric cancer, papillary thyroid carcinoma, cutaneous melanoma and breast cancer. In pregnancy, TIMP1 plays a regulatory role in the process of implantation, particularly the cytotrophoblast invasion of the uterine endometrium. In pregnancy, TIMP1 plays a regulatory role in the process of implantation, particularly the cytotrophoblast invasion of the uterine endometrium. The glycosylation modification of TIMP-1 has a molecular weight of 28kDa (PMID: 9543631).

Storage

Storage:

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

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

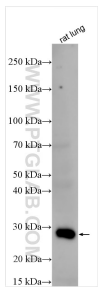
For technical support and original validation data for this product please contact:

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

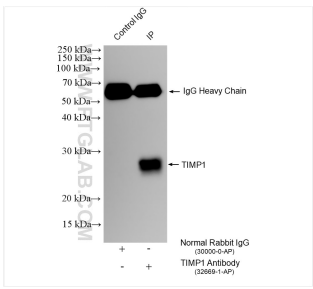
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Rat lung tissue was subjected to SDS PAGE followed by western blot with 32669-1-AP (TIMP1 antibody) at dilution of 1:500 incubated at room temperature for 1.5 hours.



IP result of anti-TIMP1 (IP:32669-1-AP, 4ug; Detection:32669-1-AP 1:500) with rat lung tissue lysate 1200 ug.