

For Research Use Only

ARTS1 Polyclonal antibody

Catalog Number: 13821-1-AP **2 Publications**



Basic Information

Catalog Number:

13821-1-AP

Size:

300 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG4918

GenBank Accession Number:

BC030775

GeneID (NCBI):

51752

UNIPROT ID:

Q9NZ08

Full Name:

endoplasmic reticulum
aminopeptidase 1

Calculated MW:

107 kDa

Observed MW:

106 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

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

IHC 1:20-1:200

Applications

Tested Applications:

IHC, IP, WB, ELISA

Cited Applications:

WB

Species Specificity:

human, mouse, rat

Cited Species:

human

**Note-IHC: suggested antigen retrieval with
TE buffer pH 9.0; (*) Alternatively, antigen
retrieval may be performed with citrate
buffer pH 6.0**

Positive Controls:

WB: K-562 cells, Jurkat cells

IP: Jurkat cells,

IHC: human ovary tumor tissue,

Background Information

ARTS1 is an endoplasmic reticulum-associated aminopeptidase (also known as ERAP1). ERAP1 is induced by interferon-gamma and can degrade peptides 9-15 residues long (PMID:18987748). ARTS1 is a 100 kDa, monomeric, soluble zinc aminopeptidase. It can be glycosylated to 120 kDa and form homodimers and heterodimers (PMID:15908954).

Notable Publications

Author	Pubmed ID	Journal	Application
Seregin Sergey S SS	24028501	Autoimmunity	
Irini Evnouchidou	24928998	J Immunol	WB

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

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

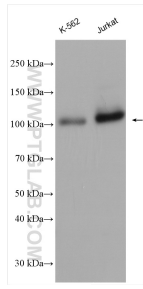
T: 4006900926

E: Proteintech-CN@ptglab.com

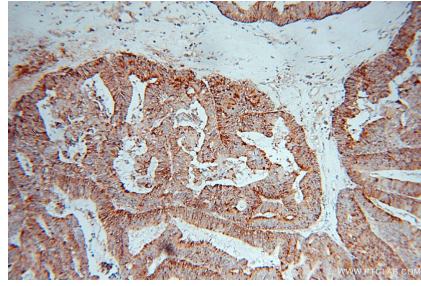
W: ptgcn.com

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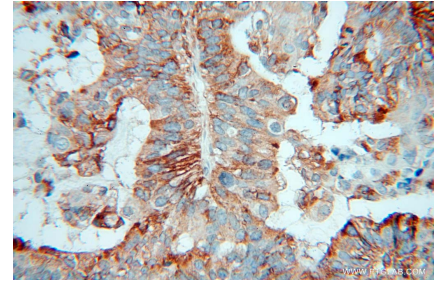
Selected Validation Data



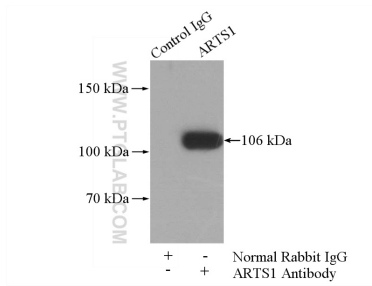
K-562 cells were subjected to SDS PAGE followed by western blot with 13821-1-AP (ARTS1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 13821-1-AP (ARTS1 antibody) at dilution of 1:100 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human ovary tumor using 13821-1-AP (ARTS1 antibody) at dilution of 1:100 (under 40x lens).



IP result of anti-ARTS1 (IP:13821-1-AP, 4ug; Detection:13821-1-AP 1:600) with Jurkat cells lysate 3600ug.