

For Research Use Only

# ACP5 Polyclonal antibody

Catalog Number: 11594-1-AP

Featured Product

24 Publications



## Basic Information

Catalog Number:

11594-1-AP

Size:

600 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG2065

GenBank Accession Number:

BC025414

GeneID (NCBI):

54

UNIPROT ID:

P13686

Full Name:

acid phosphatase 5, tartrate resistant

Calculated MW:

325 aa, 37 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:1000

## Applications

Tested Applications:

FC, WB, ELISA

Cited Applications:

IF, IHC

Species Specificity:

human, pig

Cited Species:

human, rat, mouse

Positive Controls:

WB : pig tonsil tissue,

## Background Information

ACP5 (acid phosphatase 5, tartrate resistant) is also named as TRAP, TrAPase and belongs to the metallophosphoesterase superfamily. It is an iron-containing glycoprotein with a molecular mass of approximately 34 kD. ACP5 is a histochemical marker of the osteoclast. It is also characteristic of monohistiocytes, particularly alveolar macrophages, and is associated with diverse pathological conditions, including hairy cell leukemia and AIDS encephalopathy. (PMID:10639488).

## Notable Publications

Author	Pubmed ID	Journal	Application
Yi Yu	34585393	J Periodontol	
Hongbing Lin	36114617	Stem Cells Dev	
Tomoaki Saito	34718219	Bone	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

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

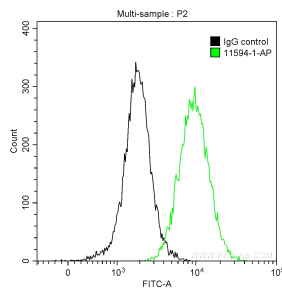
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

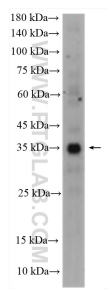
W: [ptgcn.com](http://ptgcn.com)

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## Selected Validation Data



1X10<sup>6</sup> A431 cells were intracellularly stained with 0.5 ug Anti-Human ACP5 (11594-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (green), and 0.5 ug Control Antibody. Cells were fixed with 90% MeOH.



pig tonsil tissue was subjected to SDS PAGE followed by western blot with 11594-1-AP (ACP5 antibody) at dilution of 1:600 incubated at room temperature for 1.5 hours.