

For Research Use Only

ACP5 Polyclonal antibody

Catalog Number: 11594-1-AP **19 Publications**



Basic Information

Catalog Number: 11594-1-AP	GenBank Accession Number: BC025414	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 350 µg/ml by Nanodrop and 333 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 54	Recommended Dilutions: IHC 1:50-1:500
Source: Rabbit	Full Name: acid phosphatase 5, tartrate resistant	
Isotype: IgG	Calculated MW: 325 aa, 37 kDa	
Immunogen Catalog Number: AG2065		

Applications

Tested Applications: FC, IHC, ELISA	Positive Controls: IHC : human breast cancer tissue,
Cited Applications: IF, IHC	
Species Specificity: human	
Cited Species: human, mouse	
Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0	

Background Information

ACP5 (acid phosphatase 5, tartrate resistant) is also named as TRAP, TrATPase 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	WB
Tomoaki Saito	34718219	Bone	IHC
Zhuo Li	35224288	Bioact Mater	IHC

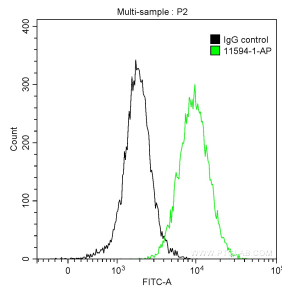
Storage

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

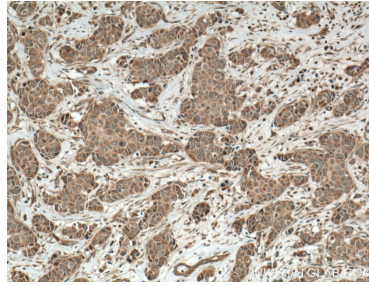
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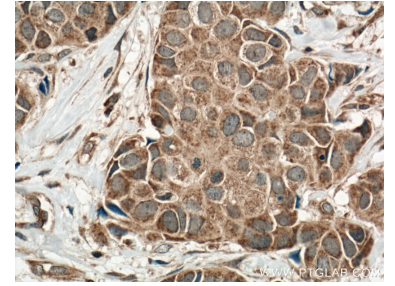
Selected Validation Data



1X10⁶ 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 .



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11594-1-AP (ACP5 Antibody) at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 11594-1-AP (ACP5 Antibody) at dilution of 1:200 (under 40x lens).