

# ACP5

## Polyclonal ANTIBODY

Catalog Number: 11594-1-AP

5 Publications

### Basic Information

<b>Catalog Number:</b> 11594-1-AP	<b>GenBank Accession Number:</b> BC025414	<b>Recommended Dilutions:</b> IHC 1:50-1:500
<b>Size:</b> 50 µg/150 µl	<b>GeneID (NCBI):</b> 54	
<b>Source:</b> Rabbit	<b>Full Name:</b> acid phosphatase 5, tartrate resistant	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 325aa, 37 kDa	
<b>Purification Method:</b> Antigen affinity purification	<b>Observed MW:</b>	
<b>Immunogen Catalog Number:</b> AC2065		

### Applications

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

### 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
Cong Cai	30483128	Front Pharmacol	WB
Jianglei Chen	29581213	Hypertension	IHC
Zhenkai Lou	30900017	J Bone Miner Metab	WB

### Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.1% sodium azide and 50% glycerol pH 7.3.  
 Aliquoting is unnecessary for -20°C storage

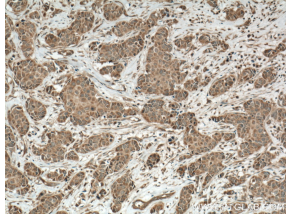
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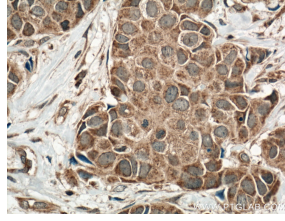
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## Selected Validation Data



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).