

For Research Use Only

# ACP5 Polyclonal antibody

Catalog Number: 27898-1-AP



## Basic Information

<b>Catalog Number:</b> 27898-1-AP	<b>GenBank Accession Number:</b> BC025414	<b>Purification Method:</b> Antigen affinity purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 54	<b>Recommended Dilutions:</b> WB: 1:500-1:2000
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P13686	
<b>Immunogen Catalog Number:</b> AG27383	<b>Full Name:</b> acid phosphatase 5, tartrate resistant	
	<b>Calculated MW:</b> 325 aa, 37 kDa	
	<b>Observed MW:</b> 40 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : HepG2 cells, MCF-7 cells, SW480 cells
<b>Species Specificity:</b> human	

## Background Information

Tartrate-resistant acid phosphatase (TRAP/ACP5) is a metalloproteinase enzyme that maps to chromosome 19p13.2 and spans approximately 3 kb, belonging to the acid phosphatase family that catalyzes the conversion of orthophosphoric monoester to alcohol and orthophosphate. Accumulating studies have demonstrated that ACP5 broadly participates in various malignant processes including uncontrolled proliferation, chemotherapy resistance, cellular invasion and metastasis.

## 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

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

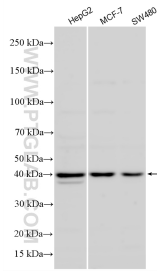
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 27898-1-AP (ACP5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.