

# ACP1 Polyclonal ANTIBODY

Catalog Number: 22214-1-AP

## Basic Information

<b>Catalog Number:</b> 22214-1-AP	<b>GenBank Accession Number:</b> BC007422	<b>Recommended Dilutions:</b> WB 1:500-1:2000 IHC 1:50-1:500
<b>Size:</b> 32 µg/150 µl	<b>GeneID (NCBI):</b> 52	
<b>Source:</b> Rabbit	<b>Full Name:</b> acid phosphatase 1, soluble	
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 158aa, 18 kDa	
<b>Purification Method:</b> Antigen affinity purification	<b>Observed MW:</b> 18 kDa	
<b>Immunogen Catalog Number:</b> AG17539		

## Applications

**Tested Applications:**  
IHC, WB, ELISA

**Species Specificity:**  
human, mouse

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

### Positive Controls:

**WB :** mouse brain tissue; 4T1 cells  
**IHC :** human lung cancer tissue; human breast cancer tissue

## Background Information

Human red cell acid phosphatase (ACP1) is a polymorphic enzyme closely related to cytosolic low molecular weight acid phosphatases, a protein family broadly conserved among eukaryotes. It catalyses the transfer of phosphate from phosphate ester substrates to suitable acceptor alcohols such as methanol and glycerol. This protein has 3 isoforms produced by alternative splicing.

## Notable Publications

Author	Pubmed ID	Journal	Application
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## 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

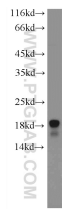
For technical support and original validation data for this product please contact:

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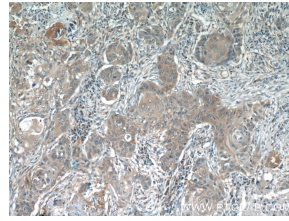
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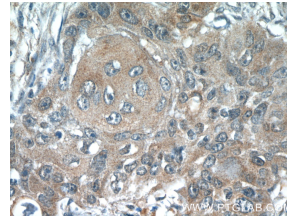
## Selected Validation Data



mouse brain tissue were subjected to SDS PAGE followed by western blot with 22214-1-AP(ACP1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours



Immunohistochemistry of paraffin-embedded human lung cancer tissue slide using 22214-1-AP( ACP1 Antibody) at dilution of 1:50 (under 10x lens)



Immunohistochemistry of paraffin-embedded human lung cancer tissue slide using 22214-1-AP( ACP1 Antibody) at dilution of 1:50 (under 40x lens)