

For Research Use Only

ACP1 Polyclonal antibody

Catalog Number: 22214-1-AP



Basic Information

Catalog Number:

22214-1-AP

Size:

150UL, Concentration: 220 µg/ml by Nanodrop and 213 µg/ml by Bradford method using BSA as the standard;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG17539

GenBank Accession Number:

BC007422

GeneID (NCBI):

52

Full Name:

acid phosphatase 1, soluble

Calculated MW:

158 aa, 18 kDa

Observed MW:

18 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:50-1:500

Applications

Tested Applications:

IHC, WB, ELISA

Species Specificity:

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

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.

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

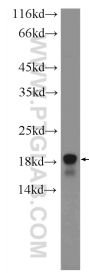
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

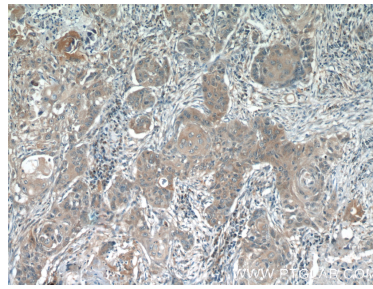
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W: ptglab.com

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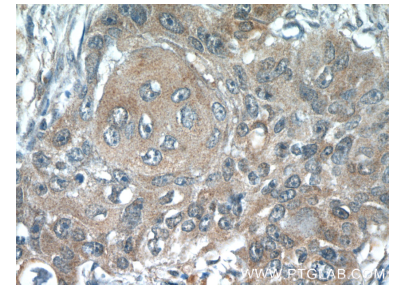
Selected Validation Data



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.



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



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