

## Mouse ACP1 Monoclonal Antibody | anti-ACP1 antibody

ACP1 (Acid Phosphatase 1, Soluble, HAAP, MGC111030, MGC3499) (AP)

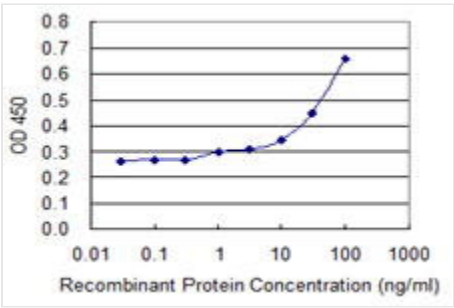
|                              |                      |                                     |
|------------------------------|----------------------|-------------------------------------|
| CATALOG #<br><b>AAA25993</b> | HOST<br><b>Mouse</b> | APPLICATIONS<br><b>Western Blot</b> |
|------------------------------|----------------------|-------------------------------------|

### PRODUCT SYNONYMS

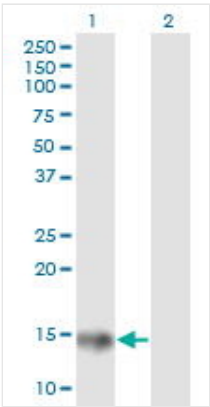
ACP1; Monoclonal Antibody; ACP1 (Acid Phosphatase 1; Soluble; HAAP; MGC111030; MGC3499) (AP); Acid Phosphatase 1; MGC3499; anti-ACP1 antibody

### PRODUCT SPECIFICATIONS

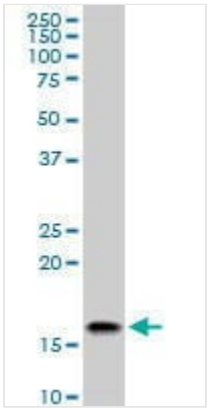
|                                                |                                                                                                                                                                                                                                        |
|------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                                           | Mouse                                                                                                                                                                                                                                  |
| Clonality                                      | Monoclonal                                                                                                                                                                                                                             |
| Isotype                                        | IgG                                                                                                                                                                                                                                    |
| Clone Number                                   | 2A3                                                                                                                                                                                                                                    |
| Specificity                                    | Recognizes ACP1.                                                                                                                                                                                                                       |
| Purity/Purification                            | Purified                                                                                                                                                                                                                               |
| Form/Format                                    | Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Alkaline Phosphatase (AP).                                                                                                                                    |
| Sequence Length                                | 158                                                                                                                                                                                                                                    |
| Applicable Applications for anti-ACP1 antibody | WB (Western Blot)                                                                                                                                                                                                                      |
| Application Notes                              | Applications are based on unconjugated antibody.                                                                                                                                                                                       |
| Immunogen                                      | ACP1 (AAH07422, 1aa-158aa) full-length recombinant protein with GST tag. MW of the GST tag alone is 26kD.                                                                                                                              |
| Immunogen Sequence                             | MAEQATKSVLFVCLGNICRSPIAEAVFRKLVTDQNISENWVIDSGAVSDWNVGRSPDPRAVSCLRNHGIHTAHKARQITKEDFATFDYILCMDESNLRDLN                                                                                                                                  |
| Conjugate                                      | AP                                                                                                                                                                                                                                     |
| Preparation and Storage                        | Store product at 4 degree C. DO NOT FREEZE! Stable at 4 degree C for 12 months after receipt as an undiluted liquid. Dilute required amount only prior to recovery of product, centrifuge the original vial prior to removing the cap. |



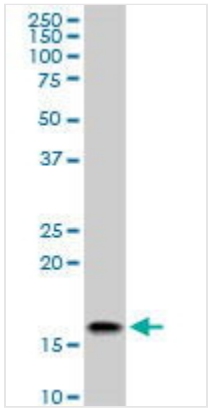
**Application Data**  
Detection limit for recombinant GST tagged ACP1 is 3 ng/ml as a capture antibody.



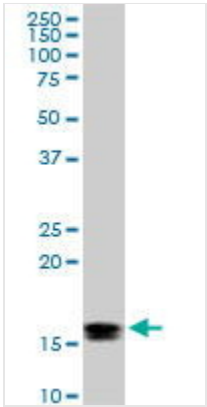
**WB (Western Blot)**  
Western Blot analysis of ACP1 expression in transfected 293T cell line by ACP1 monoclonal antibody (M06), clone 2A3. Lane 1: ACP1 transfected lysate (18 KDa). Lane 2: Non-transfected lysate.



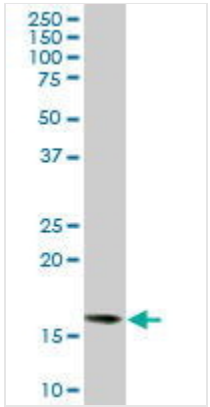
**WB (Western Blot)**  
ACP1 monoclonal antibody (M06), clone 2A3. Western Blot analysis of ACP1 expression in Raw 264.7.



**WB (Western Blot)**  
ACP1 monoclonal antibody (M06), clone 2A3. Western Blot analysis of ACP1 expression in PC-12.



**WB (Western Blot)**  
ACP1 monoclonal antibody (M06), clone 2A3. Western Blot analysis of ACP1 expression in NIH/3T3.



**WB (Western Blot)**  
ACP1 monoclonal antibody (M06), clone 2A3. Western Blot analysis of ACP1 expression in HepG2.

ADDITIONAL INFORMATION

|                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-ACP1 antibody | The product of this gene belongs to the phosphotyrosine protein phosphatase family of proteins. It functions as an acid phosphatase and a protein tyrosine phosphatase by hydrolyzing protein tyrosine phosphate to protein tyrosine and orthophosphate. This enzyme also hydrolyzes orthophosphoric monoesters to alcohol and orthophosphate. This gene is genetically polymorphic, and three common alleles segregating at the corresponding locus give rise to six phenotypes. Each allele appears to encode at least two electrophoretically different isozymes, Bf and Bs, which are produced in allele-specific ratios. Multiple alternatively spliced transcript variants encoding distinct isoforms have been identified for this gene. [provided by RefSeq] |
| Product Categories/Family for anti-ACP1 antibody   | Antibodies; Enzymes; Phosphatase                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |

NCBI AND UNIPROT INFORMATION

|                                  |                                                          |
|----------------------------------|----------------------------------------------------------|
| NCBI GI #                        | 13938545                                                 |
| NCBI GeneID                      | 52                                                       |
| NCBI Official Full Name          | Acid phosphatase 1, soluble                              |
| NCBI Official Synonym Full Names | acid phosphatase 1                                       |
| NCBI Official Symbol             | ACP1                                                     |
| NCBI Official Synonym Symbols    | HAAP; LMWPTP; LMW-PTP                                    |
| NCBI Protein Information         | low molecular weight phosphotyrosine protein phosphatase |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/monoclonal/acp1-antibody-clone-2a3-western-blot-elisa/25993>