

# Anti-ACP1 Antibody

**CATALOG NO.:** A1885-100 100 µl.

**BACKGROUND DESCRIPTION:** 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.

**ALTERNATE NAMES:** acid phosphatase 1, soluble, HAAP, ACP1, LMWPTP, LMW-PTP

**ANTIBODY TYPE:** Polyclonal

**HOST/ISOTYPE:** Rabbit / Rabbit IgG.

**IMMUNOGEN:** Recombinant fusion protein containing a sequence corresponding to amino acids 1-158 of human ACP1 (NP\_009030.1).

**PURIFICATION:** Affinity purification.

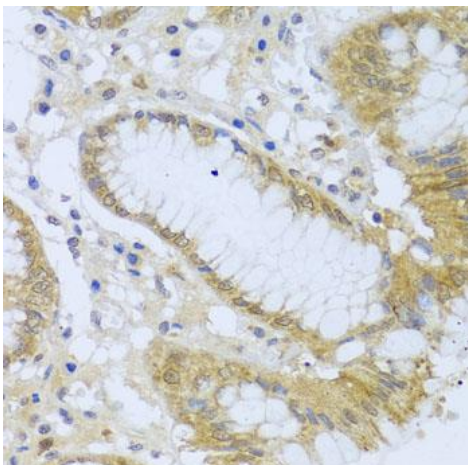
**FORM:** Liquid.

**FORMULATION:** Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH7.3.

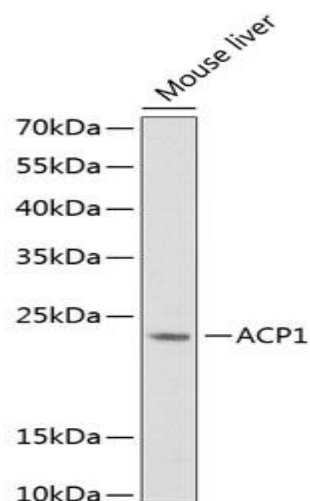
**SPECIES REACTIVITY:** Mouse.  
Human.

**STORAGE CONDITIONS:** Store at -20°C; Avoid freeze / thaw cycles.

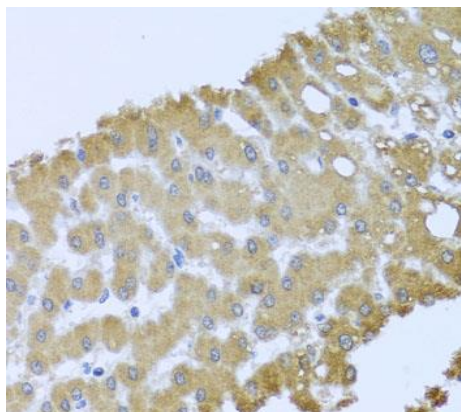
**APPLICATIONS AND USAGE:** WB 1:500 - 1:2000.  
IHC 1:50 - 1:100.



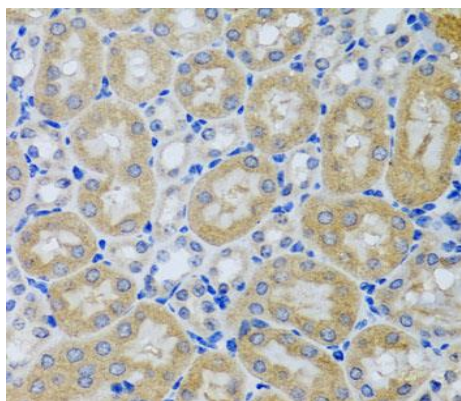
Immunohistochemistry of paraffin-embedded human stomach using ACP1 antibody at dilution of 1:100 .



Western blot analysis of extracts of mouse liver, using ACP1 Antibody at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST.



Immunohistochemistry of paraffin-embedded human liver damage using ACP1 antibody at dilution of 1:100



Immunohistochemistry of paraffin-embedded mouse kidney using ACP1 antibody at dilution of 1:100

#### RELATED PRODUCTS:

- Human Recombinant Acid phosphatase 1(6378)
- Acid Phosphatase Activity Colorimetric Assay Kit (K411)
- Acid Phosphatase Activity Fluorometric Assay Kit (K421)

**FOR RESEARCH USE ONLY! Not to be used on humans.**