

## Product Information

**Anti-ACP1 (ab1)**  
antibody produced in chicken,  
affinity isolated antibody

Catalog Number **GW21548**  
Formerly listed as GenWay Catalog Number 15-288-21548,  
Protein-tyrosine-phosphatase, isoform 3 Antibody.

Storage Temperature Store at -20 °C

Synonyms: Acid phosphatase 1 isoform c, EC 3.1.3.48

### Product 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 protein 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. Three transcript variants encoding distinct isoforms have been identified for this gene.

NCBI Accession number: NP\_004291.1

Swiss Prot Accession number: O75702

Gene Information: Human .. ACP1 (52)

Immunogen: Recombinant protein Acid phosphatase 1 isoform c

Immunogen Sequence: GI # 4757714, sequence 39 - 78

The product is a clear, colorless solution in phosphate buffered saline, pH 7.2, containing 0.02% sodium azide.

Species Reactivity: Human

Tested Applications: WB

Recommended Dilutions: Recommended starting dilution for Western blot analysis is 1:500, for tissue or cell staining 1:200.

Note: Optimal concentrations and conditions for each application should be determined by the user.

### Precautions and Disclaimer

This product is for R&D use only, not for drug, household, or other uses. Due to the sodium azide content a material safety data sheet (MSDS) for this product has been sent to the attention of the safety officer of your institution. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

### Storage/Stability

For continuous use, store at 2–8 °C for up to one week. For extended storage, store in -20 °C freezer in working aliquots. Repeated freezing and thawing, or storage in "frostfree" freezers, is not recommended. If slight turbidity occurs upon prolonged storage, clarify the solution by centrifugation before use. Working dilution samples should be discarded if not used within 12 hours.

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