**BACKGROUND**

ACP2 (acid phosphatase 2), also known as LAP (lysosomal acid phosphatase), is a 423 amino acid member of the histidine acid phosphatase family. Localized to the lysosomal compartment, ACP2 is comprised of two subunits, designated α and β, which function to hydrolyze orthophosphoric monoesters to alcohols and phosphates. ACP2 is expressed throughout the body and exerts optimal enzymatic activity when the lysosome is at an acidic pH. Defects in the gene encoding ACP2 are the cause of acid phosphatase deficiency, a condition characterized by terminal bleeding, opisthotonus, hypotonia, lethargy, intermittent vomiting and death in early infancy.

**REFERENCES**


**CHROMOSOMAL LOCATION**

Genetic locus: ACP2 (human) mapping to 11p11.2; Acp2 (mouse) mapping to 2 E1.

**SOURCE**

ACP2 (C-14) is an affinity purified goat polyclonal antibody raised against a peptide mapping at the C-terminus of ACP2 of human origin.

**PRODUCT**

Each vial contains 200 µg IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Blocking peptide available for competition studies, sc-109181 P, (100 µg peptide in 0.5 ml PBS containing < 0.1% sodium azide and 0.2% BSA).

**STORAGE**

Store at 4°C. **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.