

Anti-Human/Mouse ALPP/ALPPL2 Polyclonal Antibody

Polyclonal Antibody

Cat.NO.: PA02381

3th Edition

Description:ALPP encoded by this gene is an alkaline phosphatase, a metalloenzyme that catalyzes the hydrolysis of phosphoric acid monoesters. It belongs to a multigene family composed of four alkaline phosphatase isoenzymes. The enzyme functions as a homodimer and has a catalytic site containing one magnesium and two zinc ions, which are required for its enzymatic function. The protein is primarily expressed in placental and endometrial tissue; however, strong ectopic expression has been detected in ovarian adenocarcinoma, serous cystadenocarcinoma, and other ovarian cancer cells. An important paralog of this gene is ALPPL2. ALPPL2 (Alkaline Phosphatase, Placental Like 2) is a Protein Coding gene. Diseases associated with ALPPL2 include Seminoma and Gonadoblastoma. Among its related pathways are Thiamine metabolism and Post-translational modification- synthesis of GPI-anchored proteins. GO annotations related to this gene include phosphatase activity and alkaline phosphatase activity. An important paralog of this gene is ALPP.

Antigen:Synthesized peptide derived from the N-terminal region of human ALPP/ALPPL2.

Form:

How to use:1.0 ml distilled water will be added to the product

Stability: Lyophilized product, 5 years at 2 – 8°C; Solution, 2 years at –20°C

Dilution:PBS (pH7.4) containing 1% BSA

Application:This antibody can be used for western blotting in concentration of 1?5?g/ml.

Specificity:ALPP is Detected in placenta (at protein level).ALPPL2 isTrace amounts in the testis and thymus, and in elevated amounts in germ cell tumors.