

Placental alkaline phosphatase (PLAP) Polyclonal Antibody

catalog number: **E-AB-92361**

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

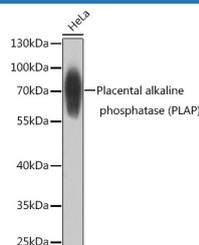
Reactivity	Human
Immunogen	Recombinant fusion protein of human Placental alkaline phosphatase
Host	Rabbit
Isotype	IgG
Purification	Affinity purification
Buffer	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer and 50% glycerol.

Applications

Recommended Dilution

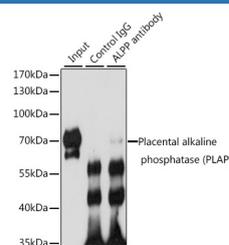
WB	1:500-1:2000
IP	50-1:200

Data



Western blot analysis of extracts of HeLa cells using Placental alkaline phosphatase Polyclonal Antibody at 1:1000 dilution.

Observed-MW: Refer to figures
Calculated-MW: 57 kDa



Immunoprecipitation analysis of 200ug extracts of HeLa cells using 3 ug Placental alkaline phosphatase (PLAP) Polyclonal Antibody. Western blot was performed from the immunoprecipitate using Placental alkaline phosphatase (PLAP) Polyclonal Antibody at a dilution of 1:1000.

Observed-MW: Refer to figures
Calculated-MW: 57 kDa

Preparation & Storage

Storage	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
Shipping	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

Background

The protein 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.

For Research Use Only