

Anti-Placental Alkaline Phosphatase Rabbit mAb

Purified Recombinant Rabbit Monoclonal Antibody

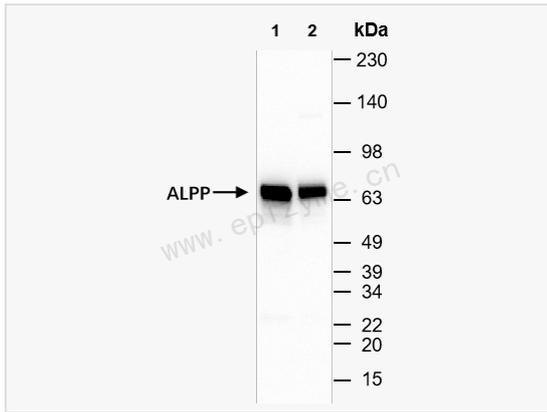
Catalog # R015303

Product Information

Application	WB, ELISA
Reactivity	Human
Dilution	WB 1:2,000~1:10,000
Host	Rabbit
Clonality	Monoclonal
Clone No.	25L86C66
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human Placental Alkaline Phosphatase
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Placental Alkaline Phosphatase Rabbit mAb [25L86C66] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	Alkaline phosphatase; Alkaline phosphatase placental; Alkaline phosphatase placental type; Alkaline phosphatase Regan isozyme; ALP; Alp1; ALPP; FLJ61142; Germ cell alkaline phosphatase; nagao isozyme; OTTHUMP00000164354; PALP; Placental alkaline phosphatase 1; placental heat stable alkaline phosphatase; placental type; PLAP; PLAP 1; PLAP1; PPBI HUMAN.
Calculated MW	Calculated MW: 58 kDa; Observed MW: 70 kDa
Uniprot ID	P05187
Gene ID	250
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. [provided by RefSeq, Jan 2015]
Cellular Location	Cell membrane.



Western Blot - Anti-Placental Alkaline Phosphatase Rabbit mAb [25L86C66]

All lanes: R015303 at 1:5,000 dilution

Lane 1: HeLa (Human cervix adenocarcinoma epithelial cell) whole cell lysates

Lane 2: A431 (Human epidermoid teratoma cell line) whole cell lysates

Lysates/proteins at 10 μ g per lane.

Secondary antibody: Goat Anti-Rabbit IgG (H+L), HRP Conjugated (Cat. No. LF102) at 1:5,000 dilution

Predicted band size: 58 kDa

Observed band size: 70 kDa

Developed using the ECL technique (Cat. No. SQ201).