

Product Datasheet

Placental alkaline phosphatase (PLAP) Mouse mAb



Catalog No: AB3438

Reactivity: Human

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Isotype: Mouse IgG2b

Applications: WB,IHC

Information

UniProt ID: P05187

All Names: ALP; PALP; PLAP; FLJ61142; ALPP

Form: Liquid

Storage instructions: Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.

Storage buffer: pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Purity: Affinity-chromatography

Immunogen: A synthesized peptide

Molecular Wt.: 58kDa

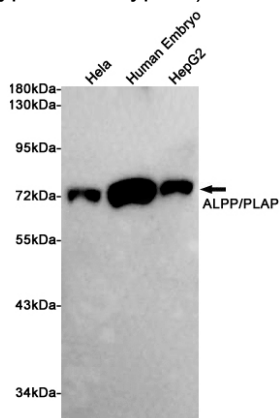
Application

WB: 1/500-1/1000

IHC: 1/50-1/100

Background

Swiss-Prot Acc.P05187. There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). The first three are located together on chromosome 2 while the tissue non-specific form is located on chromosome 1. The product of this gene is a membrane bound glycosylated enzyme, also referred to as the heat stable form, that is expressed primarily in the placenta although it is closely related to the intestinal form of the enzyme as well as to the placental-like form. The coding sequence for this form of alkaline phosphatase is unique in that the 3' untranslated region contains multiple copies of an Alu family repeat. In addition, this gene is polymorphic and three common alleles (type 1, type 2 and type 3) for this form of alkaline phosphatase have been well characterized.



Western blot detection of ALPP/PLAP in HeLa, Human Embryo, HepG2 cell lysates using ALPP/PLAP (3C11) Mouse mAb (1:1000 diluted). Predicted band size: 58KDa. Observed band size: 70KDa.

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