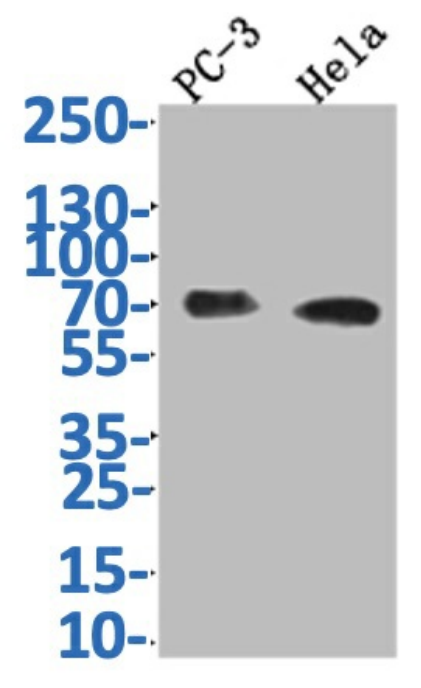
RecomAb™

ALPP recombinant monoclonal antibody, clone 5B9

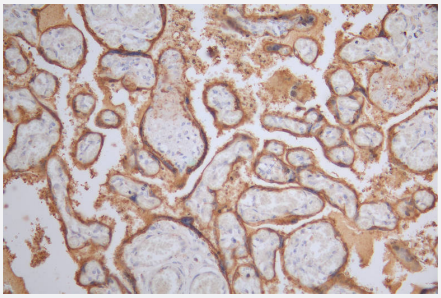
Catalog # RAB07724 Size 100 uL

Applications



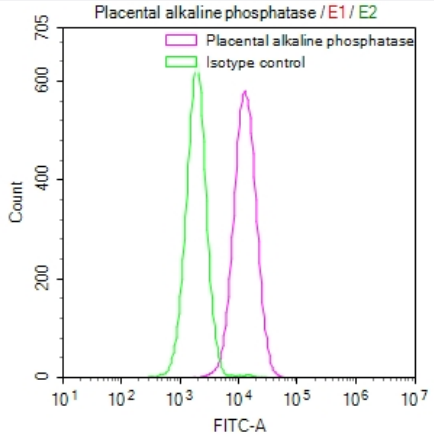
Western Blot

Western Blot analysis of Lane 1: PC-3 whole cell lysate; Lane 2: Hela whole cell lysate.



Immunohistochemistry

Immunohistochemistry image of ALPP recombinant monoclonal antibody, clone 5B9 diluted at 1:50 and staining in paraffin-embedded human placenta tissue performed on a Leica BondTM system.



Flow Cytometry

Overlay Peak curve showing HepG2 cells stained with ALPP recombinant monoclonal antibody, clone 5B9 (red line) at 1:50.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human ALPP.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human ALPP.
Reactivity	Human
Form	Liquid
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Flow Cytometry(1:50-1:200) Immunohistochemistry(1:50-1:200) Western Blot(1:500-1:2000) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)
Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Western Blot

  Western Blot analysis of Lane 1: PC-3 whole cell lysate; Lane 2: Hela whole cell lysate.

- Immunohistochemistry

  Immunohistochemistry image of ALPP recombinant monoclonal antibody, clone 5B9 diluted at 1:50 and staining in paraffin-embedded human placenta tissue performed on a Leica BondTM system.

- Enzyme-linked Immunoabsorbent Assay

- Flow Cytometry

  Overlay Peak curve showing HepG2 cells stained with ALPP recombinant monoclonal antibody, clone 5B9 (red line) at 1:50.

Gene Info — ALPP

Entrez GeneID	250
Protein Accession#	P05187
Gene Name	ALPP
Gene Alias	ALP, FLJ61142, PALP, PLAP
Gene Description	alkaline phosphatase, placental (Regan isozyme)
Omim ID	171800
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq
Other Designations	alkaline phosphomonoesterase|glycerophosphatase|placental alkaline phosphatase

Pathway

- Folate biosynthesis

- gamma-Hexachlorocyclohexane degradation
- Metabolic pathways

Disease

- Birth Weight
- Fetal Death