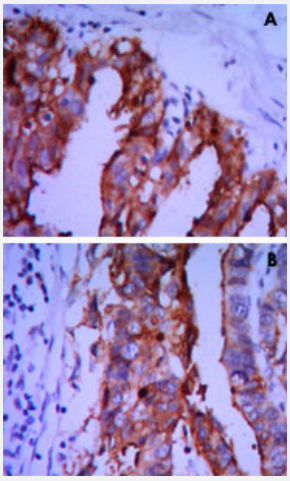
ALPP monoclonal antibody, clone 3E5

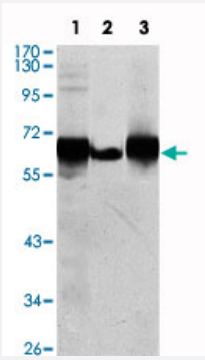
Catalog # MAB10486 Size 100 uL

Applications



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunohistochemical analysis of paraffin-embedded human ovarian cancer (A), stomach cancer (B) using ALPP monoclonal antibody, clone 3E5 (Cat # MAB10486) with DAB staining.



Western Blot (Cell lysate)

Western blot analysis using ALPP monoclonal antibody, clone 3E5 (Cat # MAB10486) against HepG2 (1), A-431 (2) and MCF-7 (3) cell lysate.

Specification

Product Description	Mouse monoclonal antibody raised against partial recombinant ALPP.
Immunogen	Recombinant protein corresponding to human ALPP.
Host	Mouse
Theoretical MW (kDa)	58

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Reactivity	Human
Form	Liquid
Isotype	IgG2b
Recommend Usage	ELISA (1:10000) Western Blot (1:500-1:2000) Immunohistochemistry (1:200-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In ascites (0.03% sodium azide)
Storage Instruction	Store at 4°C. For long term storage store at -20°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

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

  Immunohistochemical analysis of paraffin-embedded human ovarian cancer (A), stomach cancer (B) using ALPP monoclonal antibody, clone 3E5 (Cat # MAB10486) with DAB staining.

- Enzyme-linked Immunoabsorbent Assay

- Western Blot (Cell lysate)

  Western blot analysis using ALPP monoclonal antibody, clone 3E5 (Cat # MAB10486) against HepG2 (1), A-431 (2) and MCF-7 (3) cell lysate.

Gene Info — ALPP

Entrez GeneID	250
Gene Name	ALPP
Gene Alias	ALP, FLJ61142, PALP, PLAP
Gene Description	alkaline phosphatase, placental (Regan isozyme)
Omim ID	171800
Gene Ontology	Hyperlink

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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

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