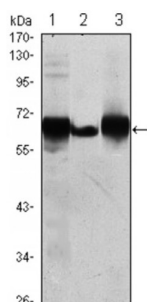
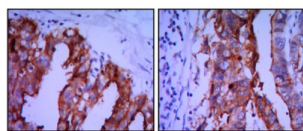


# Alkaline Phosphatase, Placental Type (ALPP) Antibody

Catalogue No.: abx011923



Western blot analysis using ALPP antibody against HepG2 (1), A431 (2) and MCF-7 (3) cell lysate.



Immunohistochemical analysis of paraffin-embedded ovarian cancer (A), stomach cancer (B) using ALPP antibody with DAB staining.

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 exact physiological function of the alkaline phosphatases is not known. 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.

<b>Target:</b>	Alkaline Phosphatase, Placental Type (ALPP)
<b>Clonality:</b>	Monoclonal
<b>Reactivity:</b>	Human
<b>Tested Applications:</b>	ELISA, WB, IHC
<b>Host:</b>	Mouse
<b>Recommended dilutions:</b>	ELISA: 1/10000, WB: 1/500 - 1/2000, IHC: 1/200 - 1/1000. Optimal dilutions/concentrations should be determined by the end user.
<b>Conjugation:</b>	Unconjugated
<b>Immunogen:</b>	Purified recombinant fragment of human ALPP expressed in E. coli.

# Datasheet

Version: 3.0.0  
Revision date: 20 Jun 2025



Isotype:	IgG <sub>2b</sub>
Form:	Liquid
Purification:	Unpurified ascites.
Storage:	Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles.
UniProt Primary AC:	P05187 ( <a href="#">UniProt</a> , <a href="#">ExPASy</a> )
Gene Symbol:	ALPP
GeneID:	<a href="#">250</a>
OMIM:	<a href="#">171800</a>
HGNC:	439
KEGG:	hsa:250
Ensembl:	ENSG00000163283
String:	<a href="#">9606.ENSP00000375881</a>
Enzyme Commission Number:	EC 3.1.3.1
Molecular Weight:	58 kDa
Buffer:	Ascitic fluid containing 0.03% sodium azide.
Concentration:	Not determined.
Note:	THIS PRODUCT IS FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC, THERAPEUTIC OR COSMETIC PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION.