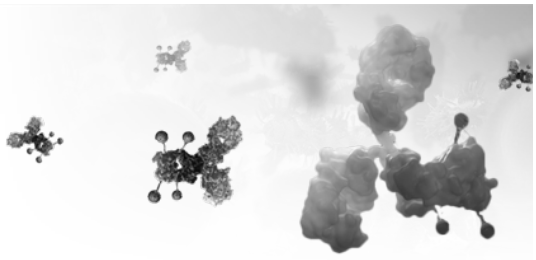

Mouse Anti-Human PLAP monoclonal antibody, clone JID760 (CABT-L2786)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	This antibody is intended for qualified laboratories to qualitatively identify by light microscopy the presence of associated antigens in sections of formalin-fixed, paraffin-embedded tissue sections using IHC test methods.
Specificity	Human PLAP
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	JID760
Conjugate	Unconjugated
Applications	IHC
Reconstitution	The prediluted antibody does not require any mixing, dilution, reconstitution, or titration; the antibody is ready-to-use and optimized for staining. The concentrated antibody requires dilution in the optimized buffer, to the recommended working dilution range.
Positive Control	Placenta
Format	Liquid
Size	Predilut: 7 ml, Concentrate: 100 µl, Concentrate: 1 ml
Buffer	Predilute: Antibody Diluent Buffer Concentrate: Tris Buffer, pH 7.3 - 7.7, with 1% BSA

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Preservative	< 0.1% Sodium Azide
Storage	Store at 2-8°C. Do not freeze.
Ship	Wet ice

BACKGROUND

Introduction	Placental Alkaline Phosphatase (PLAP) is an enzyme produced by primordial germ cells and syncytiotrophoblasts found in normal mature human placenta. PLAP is useful for identifying seminomas of testis, gestational trophoblastic disease, and ovarian carcinomas. Anti-PLAP is also useful in differentiating germ cell tumors from other neoplasms, and may react with somatic neoplasms such as breast, gastrointestinal, prostatic, and urinary cancers. PLAP has also been indicated as a potential myogenic marker for identifying soft tissue tumors.
Keywords	ALPP;alkaline phosphatase, placental;ALP;PALP;PLAP;PLAP-1;alkaline phosphatase, placental type;glycerophosphatase;alkaline phosphomonoesterase;placental alkaline phosphatase 1;alkaline phosphatase Regan isozyme;

GENE INFORMATION

Gene Name	ALPP alkaline phosphatase, placental [Homo sapiens (human)]
Official Symbol	ALPP
Synonyms	ALPP; alkaline phosphatase, placental; ALP; PALP; PLAP; PLAP-1; alkaline phosphatase, placental type; glycerophosphatase; alkaline phosphomonoesterase; placental alkaline phosphatase 1; alkaline phosphatase Regan isozyme;
Entrez Gene ID	250
Protein Refseq	NP_001623
UniProt ID	P05187
Chromosome Location	2q37
Pathway	Folate biosynthesis; Metabolic pathways; pyridoxal 5-phosphate salvage;
Function	alkaline phosphatase activity; magnesium ion binding; zinc ion binding;

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