10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ALPPL2 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP13552a

Product Information

Application	WB, IHC-P, E
Primary Accession	P10696
Other Accession	NP_112603.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB33842
Calculated MW	57377
Antigen Region	58-86

Additional Information

Gene ID	251
Other Names	Alkaline phosphatase, placental-like, ALP-1, Alkaline phosphatase Nagao isozyme, Germ cell alkaline phosphatase, GCAP, Placental alkaline phosphatase-like, PLAP-like, ALPPL2, ALPPL
Target/Specificity	This ALPPL2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 58-86 amino acids from the N-terminal region of human ALPPL2.
Dilution	WB~~1:1000 IHC-P~~1:100~500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	ALPPL2 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	ALPG (HGNC:441)
Function	Alkaline phosphatase that can hydrolyze various phosphate compounds.

Cellular Location	Cell membrane; Lipid-anchor, GPI-anchor.
Tissue Location	Trace amounts in the testis and thymus, and in elevated amounts in germ cell tumors

Background

There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). The product of this gene is a membrane bound glycosylated enzyme, localized to testis, thymus and certain germ cell tumors, that is closely related to both the placental and intestinal forms of alkaline phosphatase.

References

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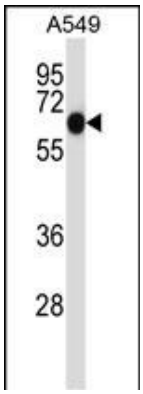
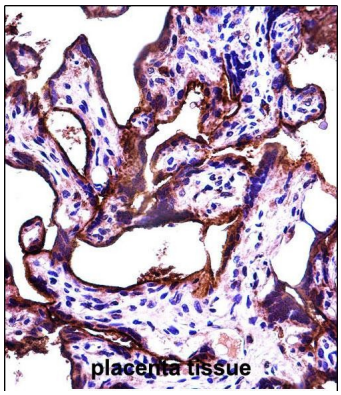
Nakano, T., et al. Biochem. Biophys. Res. Commun. 341(1):33-38(2006)
Hillier, L.W., et al. Nature 434(7034):724-731(2005)
Le Du, M.H., et al. J. Biol. Chem. 277(51):49808-49814(2002)
Kozlenkov, A., et al. J. Biol. Chem. 277(25):22992-22999(2002)

Images



ALPPL2 Antibody (N-term) (Cat. #AP13552a) western blot analysis in A549 cell line lysates (35ug/lane).This demonstrates the ALPPL2 antibody detected the ALPPL2 protein (arrow).



ALPPL2 Antibody (N-term) (Cat. #AP13552a)immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining.This data demonstrates the use of ALPPL2 Antibody (N-term) for immunohistochemistry. Clinical relevance has not been evaluated.

Citations

- IL-1 Receptor Antagonist Protects the Osteogenesis Capability of Gingival-Derived Stem/Progenitor Cells under Inflammatory Microenvironment Induced by Lipopolysaccharides
- Long Non-Coding RNA Nuclear-Enriched Abundant Transcript 1 (NEAT1) Represses Proliferation of Trophoblast Cells in Rats with Preeclampsia via the MicroRNA-373/FLT1 Axis

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