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Datasheet for ABIN968956

anti-PLAP antibody

2 Images

1 Publication

Overview

Quantity:	100 µL
Target:	PLAP (ALPP)
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunohistochemistry (IHC), ELISA

Product Details

Immunogen:	Purified recombinant fragment of human ALPP expressed in E. coli.
Clone:	3-00E-05
Isotype:	IgG2b
Purification:	purified

Target Details

Target:	PLAP (ALPP)
Alternative Name:	ALPP (ALPP Products)
Background:	<p>Description: 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.</p> <p>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</p>

Target Details

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.

Aliases: ALP, PALP, PLAP, FLJ61142, ALPP

Molecular Weight: 58 kDa

Gene ID: 250

HGNC: 250

Application Details

Application Notes: ELISA: 1:10000, WB: 1:500 - 1:2000, IHC: 1:200 - 1:1000

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Ascitic fluid containing 0.03 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C/-20 °C

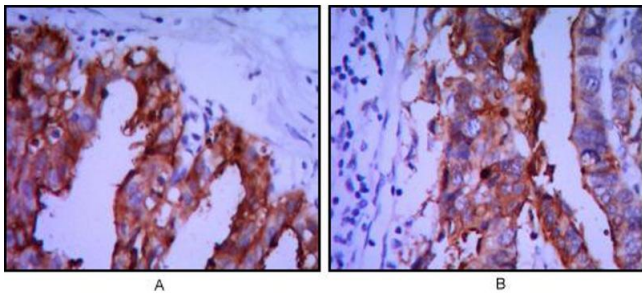
Storage Comment: 4°C, -20°C for long term storage

Publications

Product cited in: Golledge, Biros, Clancy, Cooper, Palmer, Norman: "A single-nucleotide polymorphism in the gene encoding osteoprotegerin is associated with diastolic blood pressure in older men." in: **American journal of hypertension**, Vol. 22, Issue 11, pp. 1167-70, (2009) ([PubMed](#)).

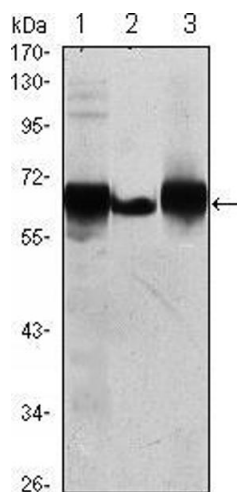
Talmud, Drenos, Shah, Shah, Palmén, Verzilli, Gaunt, Pallas, Lovering, Li, Casas, Sofat, Kumari, Rodriguez, Johnson, Newhouse, Dominiczak, Samani, Caulfield, Sever, Stanton, Shields, Padmanabhan et al.: "Gene-centric association signals for lipids and apolipoproteins identified via the HumanCVD BeadChip. ..." in: **American journal of human genetics**, Vol. 85, Issue 5, pp.

Images



Immunohistochemistry

Image 1. Immunohistochemical analysis of paraffin-embedded ovarian cancer (A), stomach cancer (B) using ALPP mouse mAb with DAB staining.



Western Blotting

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