

ARG23500 anti-BAP / Bone Alkaline Phosphatase antibody [BGN/03/662]

Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [BGN/03/662] recognizes BAP / Bone Alkaline Phosphatase. Mouse anti Human Alkaline Phosphatase antibody, clone BGN/03/662 recognizes bone specific alkaline phosphatase, a tetrameric glycoprotein found on the surface of osteoblast cells. It is normally present in high concentrations in growing bone and in bile and is released into the blood during injury and bone growth. Elevated levels can infer several conditions including Paget's disease and osteocarcinoma.
Tested Reactivity	Hu, Bacteria
Tested Application	ELISA, WB
Host	Mouse
Clonality	Monoclonal
Clone	BGN/03/662
Isotype	IgG1
Target Name	BAP / Bone Alkaline Phosphatase
Species	Human
Immunogen	Alkaline phosphatase from Human bone.
Conjugation	Un-conjugated
Alternate Names	PALP; PLAP; EC 3.1.3.1; Alkaline phosphatase Regan isozyme; Placental alkaline phosphatase 1; PLAP-1; Alkaline phosphatase, placental type; ALP

Application Instructions

Application table	Application	Dilution
	ELISA	Assay-dependent
	WB	Assay-dependent
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

Properties

Form	Liquid
Purification	Purification with Protein A.
Buffer	PBS and 0.09% Sodium azide.
Preservative	0.09% Sodium azide
Concentration	1 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed

before use.

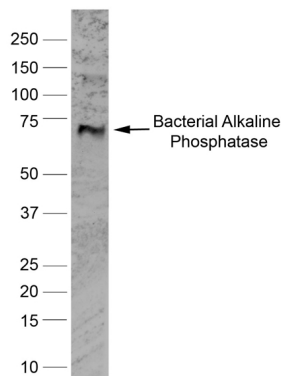
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	ALPP
Gene Full Name	alkaline phosphatase, placental
Background	The protein encoded by this gene is an alkaline phosphatase, a metalloenzyme that catalyzes the hydrolysis of phosphoric acid monoesters. It belongs to a multigene family composed of four alkaline phosphatase isoenzymes. The enzyme functions as a homodimer and has a catalytic site containing one magnesium and two zinc ions, which are required for its enzymatic function. The protein is primarily expressed in placental and endometrial tissue; however, strong ectopic expression has been detected in ovarian adenocarcinoma, serous cystadenocarcinoma, and other ovarian cancer cells. [provided by RefSeq, Jan 2015]
Calculated Mw	58 kDa

Images



ARG23500 anti-BAP / Bone Alkaline Phosphatase antibody
[BGN/03/662] WB image

Western blot: Bacterial alkaline phosphatase tagged, HCA106 stained with ARG23500 anti-BAP / Bone Alkaline Phosphatase antibody [BGN/03/662].