

TNAP Rabbit monoclonal antibody

Catalog: BS9818M

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Alkaline phosphatases (AP) are glycosyl-phosphatidylinositol (GPI)-anchored, dimeric, Zn²⁺-metallated glycoproteins that catalyze the hydrolysis of phospho-monoesters into an inorganic phosphate and an alcohol. There are at least four distinct but related alkaline phosphatases: intestinal (IAP), placental (PLAP), placental-like (ALP-1 or GCAP) and tissue non-specific (TNAP). The first three are located together on chromosome 2 while the tissue non-specific form is located on chromosome 1. TNAP is widely expressed in liver, kidney, bone, stomach and colon, and is therefore referred to as the tissue non-specific form of AP. TNAP, in conjunction with plasma cell membrane glycoprotein-1, function in bone mineralization; however, mice that lack a functional form of TNAP show normal skeletal development.

Product:

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

Molecular Weight:

~ 72 kDa

Swiss-Prot:

P05186

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500-1:2000

IHC/ICC: 1:50-1:100

IP: 1:20-1:50

IF: 1:50-1:100

Storage&Stability:

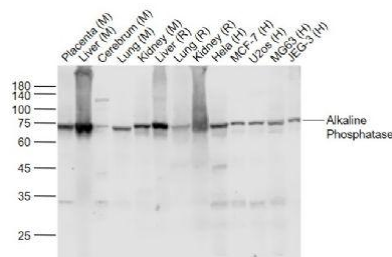
Store at 4 °C short term. Aliquot and store at -20 °C long

term. Avoid freeze-thaw cycles.

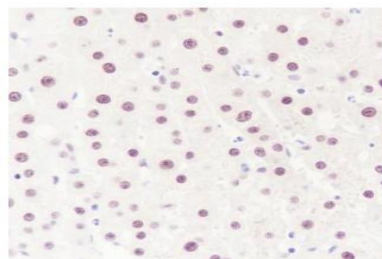
Specificity:

TNAP monoclonal antibody detects endogenous levels of TNAP protein.

DATA:



Primary: Anti-Alkaline Phosphatase at 1/1000 dilution



Tissue: Human liver

Section type: Formalin-fixed & Paraffin embedded section

Retrieval method: High temperature and high pressure

Retrieval buffer: Tris/EDTA buffer, pH 9.0

Primary Ab dilution: 1:100

Note:

For research use only, not for use in diagnostic procedure.

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