Product datasheet

Anti-Alkaline Phosphatase, Tissue Non-Specific antibody [2F4] ab126820

Overview

Product name Anti-Alkaline Phosphatase, Tissue Non-Specific antibody [2F4]  
Description Mouse monoclonal [2F4] to Alkaline Phosphatase, Tissue Non-Specific  
Host species Mouse  
Tested applications Suitable for: WB, ELISA, IHC-P, Flow Cyt, ICC/IF  
Species reactivity Reacts with: Human  
Immunogen Recombinant fragment corresponding to Human Alkaline Phosphatase, Tissue Non-Specific. expressed in E.coli  
Positive control Recombinant Human ALPL protein (AA: 18-502), HeLa and NTERA-2 cell lysates. This antibody gave a positive result when used in the following formaldehyde/methanol fixed cell lines: HepG2  
General notes This product was changed from ascites to supernatant. Lot no's high than GR307490-5 are from Tissue Culture Supernatant

Properties

Form Liquid  
Storage instructions Shipped at 4°C. Store at -20°C.  
Storage buffer Preservative: 0.05% Sodium azide  
Constituent: 99% PBS  
Purity Protein G purified  
Purification notes Purified from tissue culture supernatant.  
Clonality Monoclonal  
Clone number 2F4  
Isotype IgG1

Applications

Our Abpromise guarantee covers the use of ab126820 in the following tested applications.  
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
This isozyme may play a role in skeletal mineralization.

Involvement in disease
Hypophosphatasia
Hypophosphatasia childhood type
Hypophosphatasia infantile type

Sequence similarities
Belongs to the alkaline phosphatase family.

Post-translational modifications
N-glycosylated.

Cellular localization
Cell membrane.

Target

Function
This isozyme may play a role in skeletal mineralization.

Involvement in disease
Hypophosphatasia
Hypophosphatasia childhood type
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Images

Anti-Alkaline Phosphatase, Tissue Non-Specific antibody [2F4] (ab126820) at 1/500 dilution + Recombinant Human protein ALPL (AA: 18-502)

**Predicted band size:** 57, 78.9 kDa
ICC/IF image of ab126820 stained HepG2 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody ab126820 at 1/100 dilution overnight at +4°C. The secondary antibody (green) was DyLight® 488 goat anti- mouse (ab96879) IgG (H+L) used at a 1/250 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM. This antibody also gave a positive result in methanol fixed (100%, 5min) hepG2 cells used at 1/100 dilution.

All lanes: Anti-Alkaline Phosphatase, Tissue Non-Specific antibody [2F4] (ab126820) at 1/500 dilution

Lane 1: HeLa cell lysate
Lane 2: NTERA-2 cell lysate

Predicted band size: 57, 78.9 kDa

Example of standard curves obtained using ab126820. Control antigen 100ng (black), antigen at 10ng (purple), antigen at 50ng (blue), antigen at 100ng (red)
Flow cytometric analysis of MCF-7 cells using ab126820 at 1/200 (green) and negative control (red).

ab126820, at 1/200, staining Alkaline Phosphatase, Tissue Non-Specific in paraffin embedded Human ovarian cancer tissues by Immunohistochemistry with DAB staining.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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