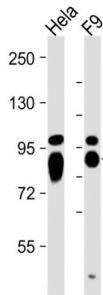
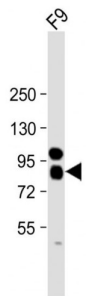


Alkaline Phosphatase, Tissue-Nonspecific Isozyme (ALPL) Antibody

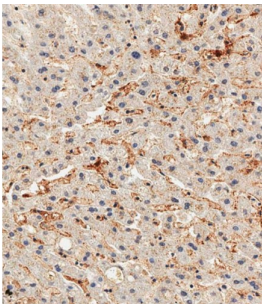
Catalogue No.: abx028274



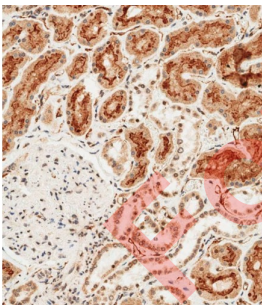
Western blot analysis of HeLa (Lane 1) and F9 (Lane 2) cell lysates (20 µg/lane) using Alkaline Phosphatase, Tissue-Nonspecific Isozyme (ALPL) Antibody (1/2000 dilution) followed by HRP-conjugated Goat Anti-Rabbit IgG, H+L secondary antibody (1/10000 dilution). Blocking/dilution buffer: 5% NFDm/TBST.



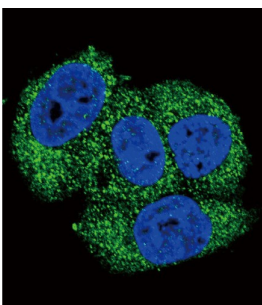
Western blot analysis of F9 cell lysates (20 µg/lane) using Alkaline Phosphatase, Tissue-Nonspecific Isozyme (ALPL) Antibody followed by HRP-conjugated Goat Anti-Rabbit IgG, H+L secondary antibody (1/10000 dilution). Blocking/dilution buffer: 5% NFDm/TBST.



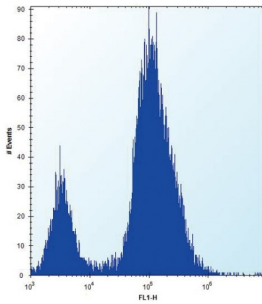
Immunohistochemistry analysis of paraffin-embedded Human liver tissue using Alkaline Phosphatase, Tissue-Nonspecific Isozyme (ALPL) Antibody (1/500 dilution, 1 hour, room temperature) and undiluted biotin-conjugated CRF Anti-Polyvalent HRP polymer secondary antibody.



Immunohistochemistry analysis of paraffin-embedded Human kidney tissue using Alkaline Phosphatase, Tissue-Nonspecific Isozyme (ALPL) Antibody (1/500 dilution, 1 hour, room temperature) and undiluted biotin-conjugated CRF Anti-Polyvalent HRP polymer secondary antibody.



Immunofluorescence analysis of MCF-7 cells using Alkaline Phosphatase, Tissue-Nonspecific Isozyme (ALPL) Antibody, followed by AD488-conjugated Goat Anti-Rabbit IgG secondary antibody (green) and DAPI nuclear stain (blue).



Flow cytometric analysis of 293 cells (right histogram) and a negative control cell (left histogram) using Alkaline Phosphatase, Tissue-Nonspecific Isozyme (ALPL) Antibody and FITC-conjugated Goat Anti-Rabbit secondary antibody.

Alkaline Phosphatase, Tissue-Nonspecific Isozyme (ALPL) Antibody is a rabbit polyclonal antibody for ALPL. There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). This protein is a membrane bound glycosylated enzyme that is not expressed in any particular tissue and is, therefore, referred to as the tissue-nonspecific form of the enzyme. The exact physiological function of the alkaline phosphatases is not known. A proposed function of this form of the enzyme is matrix mineralization, however, mice that lack a functional form of this enzyme show normal skeletal development. This enzyme has been linked directly to a disorder known as hypophosphatasia, a disorder that is characterized by hypercalcemia and includes skeletal defects. The character of this disorder can vary, however, depending on the specific mutation since this determines age of onset and severity of symptoms.

| | |
|-------------------------------|--|
| Target: | Alkaline Phosphatase, Tissue-Nonspecific Isozyme (ALPL) |
| Clonality: | Polyclonal |
| Reactivity: | Human, Mouse |
| Tested Applications: | ELISA, WB, IHC, IF/ICC, FCM |
| Host: | Rabbit |
| Recommended dilutions: | WB: 1/2000, IHC-P: 1/500, IF/ICC: 1/10 - 1/50, FCM: 1/10 - 1/50. Not tested in IHC-F. Optimal dilutions/concentrations should be determined by the end user. |
| Conjugation: | Unconjugated |
| Immunogen: | KLH-conjugated synthetic peptide between 217-246 amino acids from the Central region of human ALPL. |
| Isotype: | IgG |
| Form: | Liquid |
| Purification: | Purified through a protein A column, followed by peptide affinity purification. |
| Storage: | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles. |
| UniProt Primary AC: | P05186 (UniProt , ExPASy) |

Datasheet

Version: 2.0.0

Revision date: 05 Jun 2024



NCBI Accession: NP_000469.3, NP_001120973.2, NP_001170991.1

KEGG: hsa:249

String: [9606.ENSP00000363973](#)

Molecular Weight: Calculated MW: 57.3 kDa

Buffer: PBS containing 0.09% sodium azide.

Concentration: 0.5 mg/ml

Note: This product is for research use only.

For Reference Only