

Datasheet for ABIN4949437

anti-Alkaline Phosphatase antibody**3** Images[Go to Product page](#)

Overview

Quantity:	100 µg
Target:	Alkaline Phosphatase (ALP)
Reactivity:	Human, Cow
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Alkaline Phosphatase antibody is un-conjugated
Application:	Immunofluorescence (IF), Flow Cytometry (FACS), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	Recombinant human ALPL protein was used as the immunogen for the Alkaline Phosphatase antibody.
Clone:	ALPL-597
Isotype:	IgG1 kappa
Purification:	Protein G affinity chromatography

Target Details

Target:	Alkaline Phosphatase (ALP)
Alternative Name:	Alkaline Phosphatase (ALP Products)
Background:	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

Target Details

chromosome 2, while the tissue non-specific form is located on chromosome 1. The product of this gene 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 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. Alternatively spliced transcript variants, which encode the same protein, have been identified for this gene.

Application Details

Application Notes: Optimal dilution of the Alkaline Phosphatase antibody should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.\. Flow Cytometry: 0.5-1 µg/million cells in 0.1ml,Immunofluorescence: 0.5-1 µg/mL,Immunohistochemistry (FFPE): 1-2 µg/mL for 30 min at RT,Prediluted format : incubate for 30 min at RT (1)

Restrictions: For Research Use only

Handling

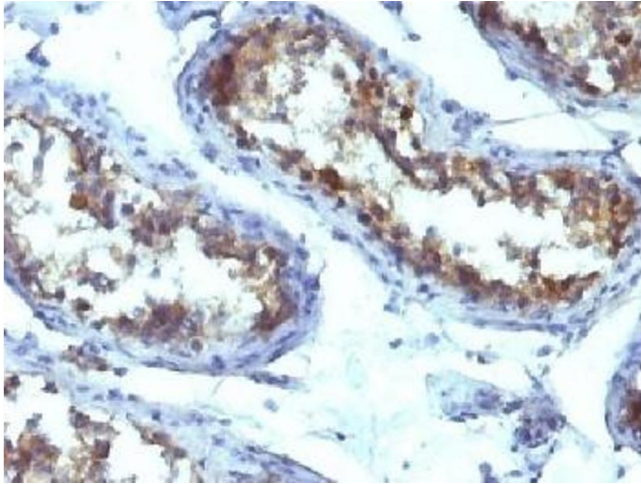
Concentration: 1 mg/mL

Buffer: 1 mg/mL in 1X PBS, BSA free, sodium azide free

Preservative: Azide free

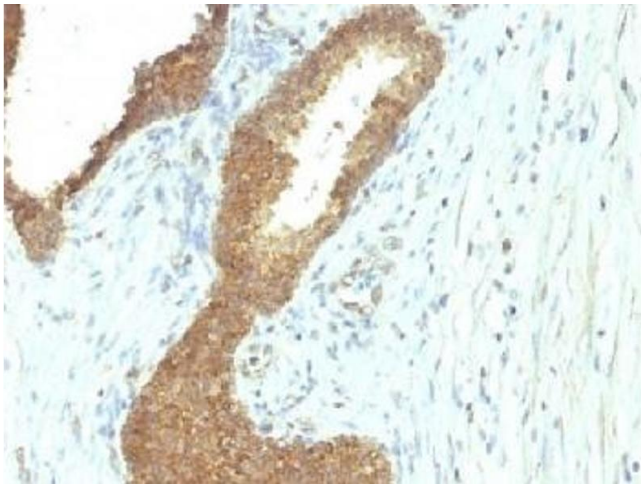
Storage: 4 °C,-20 °C

Storage Comment: Store the Alkaline Phosphatase antibody at 2-8°C (with azide) or aliquot and store at -20°C or colder (without azide).



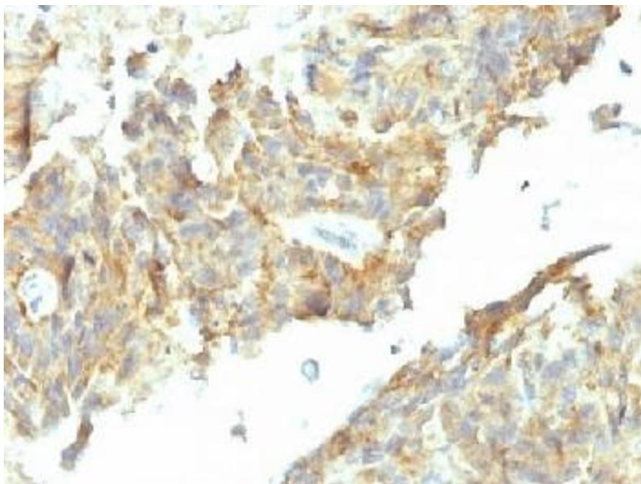
Immunohistochemistry

Image 1. IHC testing of FFPE human testicular carcinoma with Alkaline Phosphatase antibody (ALPL/597). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9, for 10-20 min followed by cooling at RT for 20 min.



Immunohistochemistry

Image 2. IHC testing of FFPE human colon carcinoma with Alkaline Phosphatase antibody (ALPL/597). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9, for 10-20 min followed by cooling at RT for 20 min.



Immunohistochemistry

Image 3. IHC testing of FFPE human ovarian carcinoma with Alkaline Phosphatase antibody (ALPL/597). Required HIER: boil tissue sections in 10mM Tris with 1mM EDTA, pH 9, for 10-20 min followed by cooling at RT for 20 min.