

## ALPL antibody

### Product Information

Catalog No.:	FNab10377
Size:	100µg
Form:	liquid
Purification:	Immunogen affinity purified
Purity:	≥95% as determined by SDS-PAGE
Host:	Rabbit
Clonality:	polyclonal
Clone ID:	None
IsoType:	IgG
Storage:	PBS with 0.02% sodium azide and 50% glycerol pH 7.3, -20°C for 12 months(Avoid repeated freeze / thaw cycles.)

### Background

There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney(tissue non-specific). 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. ALPL(Alkaline phosphatase, tissue-nonspecific isozyme) is also named as AP-TNAP, TNSALP and belongs to the alkaline phosphatase family. It can exist as a homodimer with the molecular weight of 140 kDa(PMID:18724009). ALPL was synthesized as a 66-kDa endo-b-N-acetylglucos-aminidase H(Endo H)-sensitive form, and processed to an 80-kDa mature form, which is anchored to the plasma membrane via glycosylphosphatidylinositol(GPI)(PMID:10839996). This antibody can bind the four mentioned alkaline phosphatases.

### Immunogen information

Immunogen:	alkaline phosphatase, liver/bone/kidney
Synonyms:	Alkaline phosphatase, tissue-nonspecific isozyme (AP-TNAP, TNS-ALP, TNSALP) Alkaline phosphatase liver/bone/kidney isozyme Phosphoamidase Phosphocreatine phosphatase ALPL
Observed MW:	45-60 kDa
Uniprot ID :	P05186

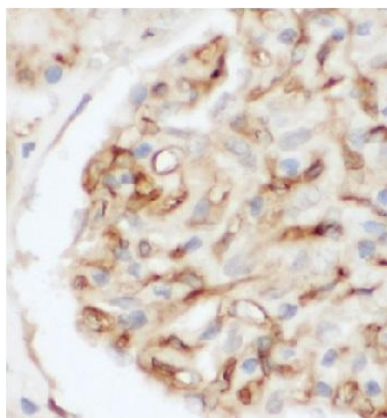
### Application

Reactivity: Human

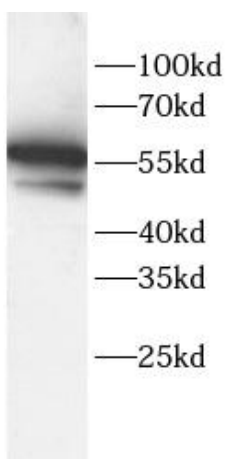
Tested Application: ELISA, WB, IHC

Recommended dilution: WB: 1:500-1:2000; IHC: 1:20-1:200

Image:



Immunohistochemistry of paraffin-embedded human kidney using FNab10377(ALPL antibody) at dilution of 1:50



HeLa cells were subjected to SDS PAGE followed by western blot with FNab10377(ALPL antibody) at dilution of 1:800