



## Goat anti-ALPL (aa42-53) Antibody

<b>Item Number</b>	dAP-3414
<b>Target Molecule</b>	Principle Name: ALPL (aa42-53); Official Symbol: ALPL; All Names and Symbols: ALPL; alkaline phosphatase, liver/bone/kidney; AP-TNAP; APTNAP; HOPS; TNAP; TNSALP; alkaline phosphatase liver/bone/kidney isozyme; alkaline phosphatase, tissue-nonspecific isozyme; alkaline phosphomonoesterase; glycerophosphatase; liver/bone/kidney-type ; Accession Number (s): NP_000469.3; Human Gene ID(s): 249; Non-Human GeneID(s): 11647 (mouse) 25586 (rat)
<b>Immunogen</b>	ELQKLNTNVAKN, is from internal region (near N terminus) This antibody is expected to recognize isoform 1 (NP_000469.3) only. The immunizing peptide represents the N terminus of the mature protein.
<b>Applications</b>	Pep ELISA, WB  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 64000.
<b>Western Blot</b>	Western Blot: Approx 55kDa band observed in Human Kidney, Lung and Adrenal Gland lysates (calculated MW of 57.3kDa according to NP_000469.3). Recommended concentration: 0.1-0.3µg/ml.
<b>IHC</b>	
<b>Reference</b>	Reference(s): Fukunaka A, Kurokawa Y, Teranishi F, Sekler I, Oda K, Ackland ML, Faundez V, Hiromura M, Masuda S, Nagao M, Enomoto S, Kambe T. Tissue nonspecific alkaline phosphatase is activated via a two-step mechanism by zinc transport complexes in the early secretory pathway. The Journal of biological

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**