

Rabbit anti-Human Alkaline Phosphatase/ALPL Polyclonal Antibody | anti-TGFBR1 antibody

Anti-Alkaline Phosphatase/ALPL Antibody, Rabbit Polyclonal

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA258515	Rabbit	Human	ELISA

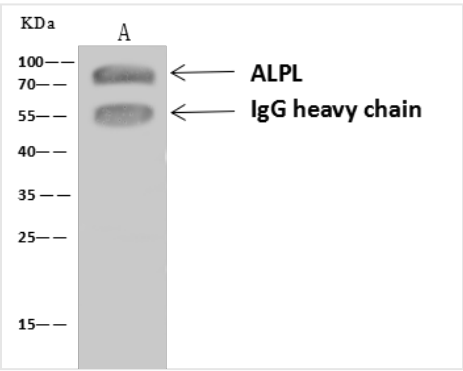
PRODUCT SYNONYMS

Alkaline Phosphatase/ALPL; Polyclonal Antibody; Anti-Alkaline Phosphatase/ALPL Antibody; Rabbit Polyclonal; alk5/TGFBR1 Antibody; Rabbit PAb; Antigen Affinity Purified; Anti-AP-TNAP Antibody; Anti-APTAP Antibody; Anti-HOPS Antibody; Anti-TNAP Antibody; Anti-TNSALP Antibody; alkaline phosphatase; liver/bone/kidney; anti-TGFBR1 antibody

PRODUCT SPECIFICATIONS

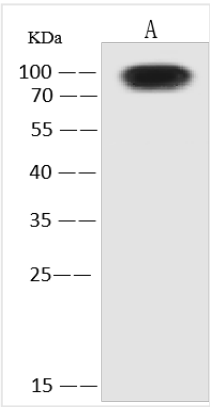
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human alk5/TGFBR1
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-TGFBR1 antibody	ELISA
Conjugation	Unconjugated
Immunogen	Recombinant Human Alkaline Phosphatase/ALPL Protein;
Preparation	Produced in rabbits immunized with purified, recombinant Human alk5/TGFBR1 (rh alk5/TGFBR1;P36897-1; Thr200-Met503). alk5/TGFBR1 specific IgG was purified by Human alk5/TGFBR1 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2 degree C-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IP (Immunoprecipitation)

ALPL was immunoprecipitated using: Lane A:0.5 mg Hela Whole Cell Lysate 4 uL anti- ALPL rabbit polyclonal antibody and 60 ug of Immunomagnetic beads Protein A/G. Primary antibody: Anti- ALPL rabbit polyclonal antibody,at 1:100 dilution Secondary antibody: Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution Developed using the ECL technique. Performed under reducing conditions. Predicted band size: 57kDa Observed band size :80 kDa



WB (Western Blot)

Anti-Alkaline Phosphatase/ALPL rabbit polyclonal antibody at 1:500 dilution Lane A: Hela Whole Cell Lysate Lysates/proteins at 30 ug per lane. Secondary Goat Anti-Rabbit IgG (H+L)/HRP at 1/10000 dilution. Developed using the ECL technique. Performed under reducing conditions. Predicted band size:57 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-TGFB1 antibody	Alkaline phosphatase (ALPL) is a hydrolase enzyme responsible for removing phosphate groups from many types of molecules, including nucleotides, proteins, and alkaloids. The process of removing the phosphate group is called dephosphorylation. As the name suggests, alkaline phosphatases are most effective in an alkaline environment. It is sometimes used synonymously as basic phosphatase. Alkaline phosphatases (APs) are ubiquitous in many species, from bacteria to human. Four genes encode AP isoenzymes in humans and rodents. Three AP genes are expressed in a tissue-specific manner (i.e., placental, embryonic, and intestinal AP isoenzymes). Expression of the fourth AP gene is nonspecific to a single tissue and is especially abundant in bone, liver, and kidney. This isoenzyme is also called tissue-nonspecific alkaline phosphatase (TNAP). The enzyme tissue non-specific alkaline phosphatase (TNAP) belongs to the ectophosphatase family. TNAP is present in large amounts in bone in which it plays a role in mineralization.
Product Categories/Family for anti-TGFB1 antibody	Phosphatases and Regulators
References	Brun-Heath I, et al. (2011) Differential expression of the bone and the liver tissue non-specific alkaline phosphatase isoforms in brain tissues. Cell Tissue Res. 343(3): 521-36.Whyte MP, et al. (1995) Alkaline phosphatase: placental and tissue-non-specific isoenzymes hydrolyze phosphoethanolamine, inorganic pyrophosphate, and pyridoxal 5-phosphate. J Clin Invest. 95: 1440-5.Whyte MP. (1994) Hypophosphatasia and the role of alkaline phosphatase in skeletal mineralization. Endocrinol Rev. 4: 439-61.Weinreb M, et al. (1990) Different pattern of alkaline phosphatase, osteopontin and osteocalcin expression in developing rat bone visualized by in situ hybridization. J Bone Miner Res. 5: 831-42.

NCBI AND UNIPROT INFORMATION

NCBI GI #	195963412
NCBI GeneID	7046
NCBI Accession #	NP_001124388.1
NCBI GenBank Nucleotide #	NM_001130916.1
UniProt Accession #	P36897; Q6IR47; Q706C0; Q706C1
Molecular Weight	55,960 Da
NCBI Official Full Name	TGF-beta receptor type-1 isoform 2
NCBI Official Synonym Full Names	transforming growth factor, beta receptor 1
NCBI Official Symbol	TGFB1

NCBI Official Synonym Symbols	AAT5; ALK5; MSSE; SKR4; ALK-5; LDS1A; LDS2A; TGFR-1; ACVRLK4
NCBI Protein Information	TGF-beta receptor type-1; tbetaR-I; TGF-beta receptor type I; TGF-beta type I receptor; activin receptor-like kinase 5; transforming growth factor beta receptor I; serine/threonine-protein kinase receptor R4; activin A receptor type II-like kinase, 53kD;
UniProt Protein Name	TGF-beta receptor type-1
UniProt Gene Name	TGFB1
UniProt Synonym Gene Names	ALK5; SKR4; TGFR-1; ALK-5; ALK5; SKR4; TGF-beta receptor type I; TbetaR-I
UniProt Entry Name	TGFR1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/polyclonal/alkaline-phosphatase-alpl-antibody-elisa/258515>