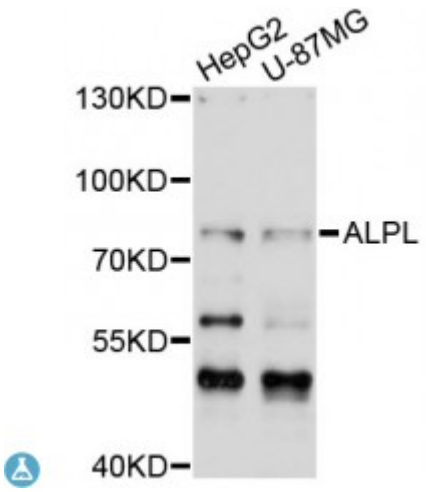
Anti-ALPL Antibody



Description	This gene encodes a member of the alkaline phosphatase family of proteins. 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 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. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature enzyme. This enzyme may play a role in bone mineralization. Mutations in this gene have been linked to hypophosphatasia, a disorder that is characterized by hypercalcemia and skeletal defects.

Model	STJ114272
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	A synthetic peptide corresponding to a sequence within amino acids 150-250 of human ALPL (NP_000469.3).
Gene ID	249
Gene Symbol	ALPL
Dilution range	WB 1:500 - 1:2000
Purification	Affinity purification

Note	For Research Use Only (RUO).
Protein Name	Alkaline phosphatase tissue-nonspecific isozyme AP-TNAP TNSALP
Molecular Weight	57.305 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:438OMIM:146300Reactome:R-HSA-163125
Alternative Names	Alkaline phosphatase tissue-nonspecific isozyme AP-TNAP TNSALP
Function	This isozyme may play a role in skeletal mineralization
Cellular Localization	Cell membrane
Post-translational Modifications	N-glycosylated,