

ALPP antibody - C-terminal region (ARP41959_T100)

Data Sheet

Product Number	ARP41959_T100
Product Name	ALPP antibody - C-terminal region (ARP41959_T100)
Size	100ug
Gene Symbol	ALPP
Alias Symbols	ALP; PLAP; PALP
Nucleotide Accession#	NM_001632
Protein Size (# AA)	535 amino acids
Molecular Weight	59kDa
Product Format	Lyophilized powder
NCBI Gene Id	250
Host	Rabbit
Clonality	Polyclonal
Official Gene Full Name	Alkaline phosphatase, placental
Description	This is a rabbit polyclonal antibody against ALPP. It was validated on Western Blot and immunohistochemistry by Aviva Systems Biology. At Aviva Systems Biology we manufacture rabbit polyclonal antibodies on a large scale (200-1000 products/month) of high throughput manner. Our antibodies are peptide based and protein family oriented. We usually provide antibodies covering each member of a whole protein family of your interest. We also use our best efforts to provide you antibodies recognize various epitopes of a target protein. For availability of antibody needed for your experiment, please inquire ().
Peptide Sequence	Synthetic peptide located within the following region: TVLLYGNPGYVLKDGARPDVTESESGSPEYRQSSAVPLDEETHAGEDVA
Target Reference	Kimura,K., (2006) Genome Res. 16 (1), 55-65
Description of Target	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. ALPP is a membrane bound glycosylated enzyme, also referred to as the heat stable form, that is expressed primarily in the placenta although it is closely related to the intestinal form of the enzyme as well as to the placental-like form. 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, also referred to as the heat stable form, that is expressed primarily in the placenta although it is closely related to the intestinal form of the enzyme as well as to the placental-like form. The coding sequence for this form of alkaline phosphatase is unique in that the 3' untranslated region contains multiple copies of an Alu family repeat. In addition, this gene is polymorphic and three common alleles (type 1, type 2 and type 3) for this form of alkaline phosphatase have been well characterized.
Partner Proteins	APCS, C1QA, C4BPA, CALU, COL4A1, CRP, FCGR1A, FCGR2B, FCGR3A, FCGR3B, FN1, LAMA1, TG, APCS, C4BPA, CALU, CRP, FCGR1A, FCGR3A, FCGR3B, FN1
Reconstitution and Storage	Add 100 ul of distilled water. Final anti-ALPP antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at -20C. Avoid repeat freeze-thaw cycles.
Lead Time	Domestic: within 24 hours delivery International: 3-5 business days
Blocking Peptide	For anti-ALPP antibody is Catalog # AAP41959 (Previous Catalog # AAPP24495)
Immunogen	The immunogen for anti-ALPP antibody: synthetic peptide directed towards the C terminal of human ALPP
Swissprot Id	P05187
Protein Name	Alkaline phosphatase, placental type
Protein Accession #	NP_001623
Purification	Protein A purified
Species Reactivity	Human, Bovine, Dog, Zebrafish, Rat, Pig, Horse, Mouse, Rabbit, Guinea pig
Application	IHC, WB
Predicted Homology Based on Immunogen Sequence	Human: 100%; Dog: 86%; Bovine: 86%; Zebrafish: 86%; Pig: 79%; Rat: 79%; Horse: 79%; Mouse: 79%; Rabbit: 79%; Guinea pig: 79%
	Human HepG2 

