



# Anti-ALPI polyclonal antibody (CPBT-66804RB)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

### Product Overview

Rabbit anti Bacterial Alkaline Phosphatase antibody detects bacterial alkaline phosphatase (BAP), a periplasmic enzyme which catalyzes the release of 5- and 3-phosphate groups from DNA, RNA and nucleotides. BAP can also dephosphorylate a number of proteins and alkaloids, and has an optimum pH of 8.0. BAP is encoded by the phoA gene, and forms a homodimer of two identical 47 kDa subunits. It is thought that bacteria use BAP to create free phosphate groups for uptake and use. Other functions include dephosphorylating extracellular organic compounds for import into the cell. Rabbit anti Bacterial Alkaline Phosphatase antibody does not react with mammalian forms of alkaline phosphatase.

Specificity	ALPI
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Bacteria
Conjugate	HRP
Applications	IHC-Fr; ELISA; IF; WB
Format	Ig fraction - liquid
Size	500 µg
Preservative	None
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">ALPI alkaline phosphatase, intestinal [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	ALPI
<b>Synonyms</b>	ALPI; alkaline phosphatase, intestinal; IAP; intestinal-type alkaline phosphatase; Kasahara isozyme; glycerophosphatase; alkaline phosphomonoesterase; intestinal alkaline phosphatase;
<b>Entrez Gene ID</b>	<a href="#">248</a>
<b>Protein Refseq</b>	<a href="#">NP_001622</a>
<b>UniProt ID</b>	P09923
<b>Chromosome Location</b>	2q37.1
<b>Pathway</b>	Folate biosynthesis; Metabolic pathways;
<b>Function</b>	alkaline phosphatase activity; magnesium ion binding; protease binding; zinc ion binding;