



# Anti-Albumin polyclonal antibody (CPBT-67283RB)

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

## PRODUCT INFORMATION

### Product Overview

This product recognises bovine albumin (BSA), a soluble protein which constitutes approximately one half of blood serum protein. BSA functions primarily as a carrier protein for steroids, fatty acids, and thyroid hormones and plays a role in stabilizing extracellular fluid volume. BSA is synthesized in the liver as preproalbumin, which has an N-terminal peptide removed before it is released by the rough endoplasmic reticulum as proalbumin. In turn, proalbumin is cleaved in the Golgi vesicles to produce albumin, which is secreted into the blood stream. BSA is used as a nutrient in cell cultures, as an enzyme stabilizer during DNA digestion, and as a diluent or blocking agent in immunohistochemistry and ELISAs.

Specificity	ALB
Target	Albumin
Immunogen	Bovine albumin
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Bovine
Conjugate	Unconjugated
Applications	IHC-Fr; ELISA; WB
Format	Serum - liquid
Size	1 ml
Preservative	0.09% Sodium Azide

**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.

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## GENE INFORMATION

Gene Name	<a href="#">ALB albumin [ Bos taurus (cattle) ]</a>
Official Symbol	ALB
Synonyms	ALB; serum albumin; BSA;
Entrez Gene ID	<a href="#">280717</a>
Protein Refseq	<a href="#">NP_851335</a>
UniProt ID	P02769
Chromosome Location	chromosome: 6
Pathway	Bile acid and bile salt metabolism; Binding and Uptake of Ligands by Scavenger Receptors; HDL-mediated lipid transport; Hemostasis; Lipid digestion, mobilization, and transport; Lipoprotein metabolism; Metabolism; Metabolism of lipids and lipoproteins;
Function	DNA binding; chaperone binding; drug binding; fatty acid binding; metal ion binding; contributes_to oxygen binding; pyridoxal phosphate binding; toxic substance binding;