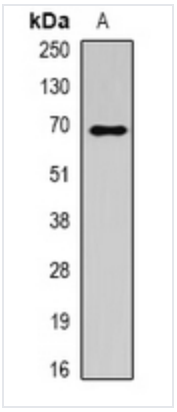
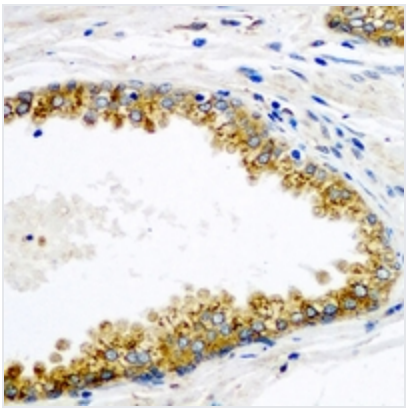
ALB Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	ALB, Polyclonal Antibody
Full Product Name	Anti-ALB Antibody
Product Gene Name	anti-ALB antibody
Product Synonym Names	Serum albumin
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human, Mouse, Rat
Form/Format	Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.
Purity/Purification	The antibody was purified by immunogen affinity chromatography.
Specificity	Recognizes endogenous levels of ALB protein.
Preparation and Storage	Shipped at 4 degree C. Upon delivery aliquot and store at -20 degree C for one year. Avoid freeze/thaw cycles.
Molecular Weight	45,160 Da
OMIM	103600
3D Structure	ModBase 3D Structure for P02768
Immunogen	Recombinant full length protein of human ALB
Applications Tested/Suitable for anti-ALB antibody	Western Blot (WB), Immunohistochemistry (IHC)
Application Notes for anti-ALB antibody	WB: 1/500 - 1/2000; IHC: 1/50 - 1/200
Related Product Information for anti-ALB antibody	MBS8247233 is an antibody targeting ALB. Reactive in Human, Mouse, Rat. Host: Rabbit. Rabbit polyclonal antibody to ALB
Other Notes	Small volumes of anti-ALB antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



Western Blot (WB) of anti-ALB antibody
Western blot analysis of ALB expression in mouse liver (A) whole cell lysates.



Immunohistochemistry (IHC) of anti-ALB antibody
Immunohistochemical analysis of ALB staining in human prostate formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ALB. It may not necessarily be applicable to this product.

NCBI GI #	4502027
NCBI GeneID	213
NCBI Accession #	NP_000468.1
UniProt Primary Accession #	P02768
UniProt Secondary Accession #	O95574; P04277; Q13140; Q645G4; Q68DN5; Q6UXK4; Q86YG0; Q8IUK7; Q9P157; Q9P1I7; E7ESS9
UniProt Related Accession #	P02768
GenBank Nucleotide #	NM_000477.6
NCBI Official Full Name	serum albumin preproprotein
NCBI Official Synonym Full Names	albumin
NCBI Official Symbol	ALB
NCBI Official Synonym Symbols	HSA; PRO0883; PRO0903; PRO1341
UniProt Protein Name	Serum albumin
Protein Family	Serum albumin
UniProt Gene Name	ALB
UniProt Entry Name	ALBU_HUMAN
NCBI Protein Information	serum albumin
NCBI Summary for ALB	This gene encodes the most abundant protein in human blood. This protein functions in the regulation of blood plasma colloid osmotic pressure and acts as a carrier protein for a wide range of endogenous molecules including hormones, fatty acids, and metabolites, as well as exogenous drugs. Additionally, this protein exhibits an esterase-like activity with broad substrate specificity. The encoded preproprotein is proteolytically processed to generate the mature protein. A peptide derived from this protein, EPI-X4, is an endogenous inhibitor of the CXCR4 chemokine receptor. [provided by RefSeq, Jul 2016]

UniProt Comments for ALB	albumin: Serum albumin, the main protein of plasma, has a good binding capacity for water, Ca(2+), Na(+), K(+), fatty acids, hormones, bilirubin and drugs. Its main function is the regulation of the colloidal osmotic pressure of blood. Major zinc transporter in plasma, typically binds about 80% of all plasma zinc. Plasma. Belongs to the ALB/AFP/VDB family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Carrier; Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 4q13.3 Cellular Component: endoplasmic reticulum; extracellular region; extracellular space; Golgi apparatus; nucleus; protein complex Molecular Function: chaperone binding; DNA binding; drug binding; fatty acid binding; identical protein binding; oxygen binding; protein binding; pyridoxal phosphate binding; toxin binding Biological Process: bile acid and bile salt transport; cellular response to starvation; hemolysis by symbiont of host red blood cells; lipoprotein metabolic process; maintenance of mitochondrion localization; negative regulation of apoptosis; platelet degranulation; receptor-mediated endocytosis; retinal homeostasis; sodium-independent organic anion transport; transport Disease: Analbuminemia; Hyperthyroxinemia, Familial Dysalbuminemic
Research Articles on ALB	**1.** ischemia-modified albumin can be effective for demonstrating hypoxia in patients with acute leukemia.
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