10320 Camino Santa Fe, Suite G
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Anti-BOVINE ALBUMIN (RABBIT) Antibody (BSA)

Bovine Serum Albumin Antibody BSA
Catalog # ASR3838

Specification

Anti-BOVINE ALBUMIN (RABBIT) Antibody (BSA) - Product Information

Host	**Rabbit**
Conjugate	**Unconjugated**
Target Species	**Bovine**
Reactivity	**Bovine**
Clonality	**Polyclonal**
Application	**WB, IHC, E, I, LCI**
Application Note	**Anti-Bovine Albumin antibody has been tested in ELISA and western blot and is suitable for IHC. The antibody may be suitable for other applications, although no supporting data is available.**
Physical State	**Lyophilized**
Buffer	**0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2**
Immunogen	**Anti-Bovine Serum Albumin antibody was produced by repeated immunizations with Bovine Serum Albumin.**
Reconstitution Volume	**2.0 mL**
Reconstitution Buffer	**Restore with deionized water (or equivalent)**
Preservative	**0.01% (w/v) Sodium Azide**

Anti-BOVINE ALBUMIN (RABBIT) Antibody (BSA) - Additional Information

Gene ID 280717

Other Names
280717

Purity
Bovine Serum Albumin antibody is supplied in the form of monospecific antiserum prepared by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-rabbit serum, purified and partially purified Albumin [Bovine Serum]. Cross reactivity against Albumin from other tissues and species may occur but have not been specifically determined.

Storage Condition
Store vial at 4° C prior to restoration. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use.

Precautions Note
This product is for research use only and is not intended for therapeutic or diagnostic applications.

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Anti-BOVINE ALBUMIN (RABBIT) Antibody (BSA) - Protein Information

Name ALB

Function
Binds 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 (By similarity). Major calcium and magnesium transporter in plasma, binds approximately 45% of circulating calcium and magnesium in plasma (Probable). Potentially has more than two calcium-binding sites and might additionally bind calcium in a non-specific manner (PubMed:22677715). The shared binding site between zinc and calcium at residue Asp-272 suggests a crosstalk between zinc and calcium transport in the blood (Probable). The rank order of affinity is zinc > calcium > magnesium (Probable). Binds to the bacterial siderophore enterobactin and inhibits enterobactin- mediated iron uptake of E.coli, and may thereby limit the utilization of iron and growth of enteric bacteria such as E.coli (PubMed:6234017). Does not prevent iron uptake by the bacterial siderophore aerobactin (PubMed:6234017).

Cellular Location
Secreted.

Tissue Location
Plasma.

Anti-BOVINE ALBUMIN (RABBIT) Antibody (BSA) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Anti-BOVINE ALBUMIN (RABBIT) Antibody (BSA) - Images

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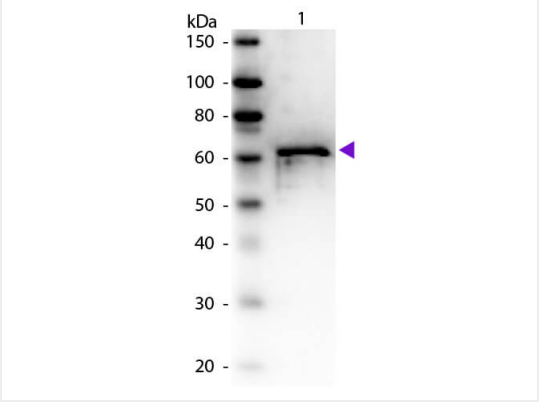

Western Blot of Rabbit anti-Bovine Serum Albumin antibody. Lane 1: BSA (p/n 001-0133). Load: 50 ng per lane. Primary antibody: BSA antibody at 1:1,000 for overnight at 4°C. Secondary antibody: Peroxidase rabbit secondary antibody (p/n 611-103-122) at 1:40,000 for 30 min at RT. Block: 5% BLOTTO-TBS for 30 min at RT. Predicted/Observed size: 66 kDa, 66 kDa for BSA. Other band(s): None.

Anti-BOVINE ALBUMIN (RABBIT) Antibody (BSA) - Background

Anti-Bovine Serum Albumin antibody detects BSA. Serum albumin is the main protein of plasma. It has a good binding capacity for water, Ca2+, Na+, K+, fatty acids, hormones, bilirubin and drugs. Its main function is the regulation of the colloidal osmotic pressure of blood. ALB is the major zinc transporter in plasma; it typically binds about 80% of all plasma zinc. BSA antibody is ideal for investigators involved in Cell Signaling, Neuroscience and Signal Transduction research.