bs-2256R **[Primary Antibody]**

Albumin Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

Target: Albumin

Immunogen: Mouse serum albumin purified from mouse serum: full length.

Purification: affinity purified by Protein A

Concentration: 1mg/ml

Storage: 0.01M TBS (pH7.4) with 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

Background: 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]

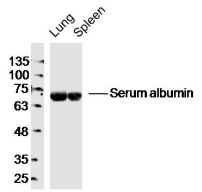
Applications: **WB** (1:500-2000)
IHC-P (1:100-500)
IHC-F (1:100-500)
IF (1:100-500)

Reactivity: Human, Mouse

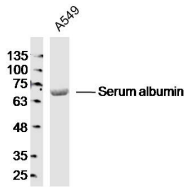
Predicted MW.: 68 kDa

Subcellular Location: Secreted

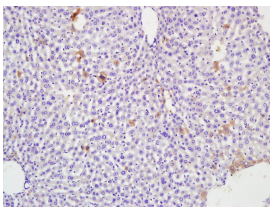
VALIDATION IMAGES



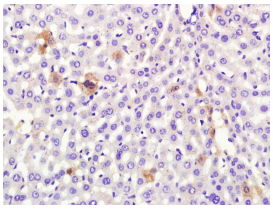
Sample: Lung (Mouse) Lysate at 40 ug Spleen (Mouse) Lysate at 40 ug Primary: Anti-Mouse serum albumin (bs-2256R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 68 kD Observed band size: 68 kD



Sample: A549(Human) Cell Lysate at 30 ug Primary: Anti-Mouse serum albumin (bs-2256R) at 1/300 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 68 kD Observed band size: 68 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse Liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Mouse serum albumin) Polyclonal Antibody, Unconjugated (bs-2256R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (Mouse liver); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Mouse serum albumin)

Polyclonal Antibody, Unconjugated (bs-2256R) at 1:400 overnight at 4°C, followed by a conjugated secondary antibody (sp-0023) for 20 minutes and DAB staining.

SELECTED CITATIONS

- **[IF=10.1]** Jiayi Zheng. et al. Role of FPR2 antagonism in alleviating social isolation-induced depression and protecting blood-brain barrier integrity. J NEUROINFLAMM. 2025 Mar;22:79 IF ;Mouse. 40083006
- **[IF=9.42]** Aragon, Mario J., et al. "Serum-borne bioactivity caused by pulmonary multiwalled carbon nanotubes induces neuroinflammation via blood–brain barrier impairment." Proceedings of the National Academy of Sciences (2017): 201616070. IHC ;="Mouse". 28223486
- **[IF=5.5]** Hangbing Cao. et al. Nicotine suppresses crystalline silica-induced astrocyte activation and neuronal death by inhibiting NF-κB in the mouse hippocampus. CNS NEUROSCI THER. 2023 Oct;: IF ;Mouse. 37864452
- **[IF=4.849]** Scieszka David. et al. Neuroinflammatory and neurometabolomic consequences from inhaled wildfire smoke-derived particulate matter in the Western United States. Toxicol Sci. 2021 Dec;: IF ;Mouse. 34865172
- **[IF=4.9]** Shin Koike. et al. Elucidating the Antiglycation Effect of Creatine on Methylglyoxal-Induced Carbonyl Stress In Vitro. INT J MOL SCI. 2024 Jan;25(20):10880 WB ;. 39456665