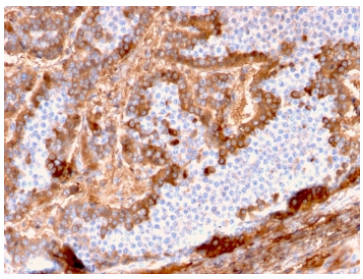
Albumin Antibody / Serum Albumin [clone ALB/2144] (V3721)

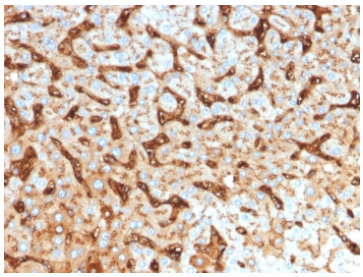
Catalog No.	Formulation	Size
V3721-100UG	0.2 mg/ml in 1X PBS with 0.05% sodium azide	100 ug
V3721-20UG	0.2 mg/ml in 1X PBS with 0.05% sodium azide	20 ug
V3721SAF-100UG	1 mg/ml in 1X PBS; sodium azide free	100 ug
V3721IHC-7ML	Prediluted in 1X PBS with 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

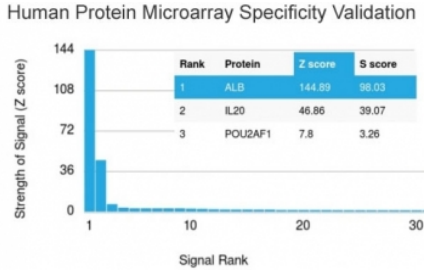
Availability	1-3 business days
Species Reactivity	Human, Mouse, Hamster
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	ALB/2144
Purity	Protein G affinity chromatography
UniProt	P02768
Localization	Cell surface, cytoplasmic
Applications	ELISA: order BSA/sodium azide-free format for coating Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT (Human) Western blot: 2-4ug/ml (Human/Mouse/Hamster)
Limitations	This Albumin antibody is available for research use only.



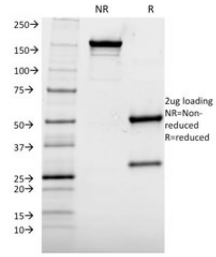
IHC testing of FFPE human hepatocellular carcinoma with Albumin antibody (clone ALB/2144). Required HIER: boil tissue sections in 10mM citrate buffer, pH6, for 10-20 min followed by cooling at RT for 20 min.



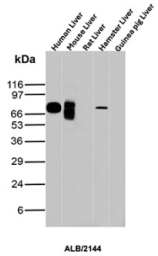
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Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Albumin antibody (clone ALB/2144). These results demonstrate the foremost specificity of the ALB/2144 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free Albumin antibody (clone ALB/2144) as confirmation of integrity and purity.



Albumin Antibody Liver Panel WB. Western blot analysis of human, mouse, rat, hamster, and guinea pig liver tissue lysates using Albumin antibody detects a strong band at approximately 65-70 kDa in human liver, with additional bands observed in mouse liver and a weaker band in rat liver, consistent with Albumin (ALB) expression across species; minimal signal is seen in hamster and guinea pig samples under these conditions. Detection was performed with clone ALB/2144.

Description

Albumin is a soluble, monomeric protein, which comprises about one half of the blood serum protein. Albumin functions primarily as a carrier protein for steroids, fatty acids, and thyroid hormones and plays a role in stabilizing extracellular fluid volume. Albumin is synthesized in the liver as preproalbumin, which has an N-terminal peptide that is removed before the nascent protein is released from the rough endoplasmic reticulum. The product, proalbumin, is in turn cleaved in the Golgi vesicles to produce the secreted form of albumin.

For broader detection of Albumin in liver function and hepatocyte biology studies, see our Albumin antibody (clone ALB/2141).

Application Notes

The optimal dilution of the Albumin antibody for each application should be determined by the researcher.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Recombinant protein was used as the immunogen for this Albumin antibody.

Storage

Store the Albumin antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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