

**ALB Polyclonal Antibody**  
**Catalog # AP73977****Specification**

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**ALB Polyclonal Antibody - Product Information**

Application	<b>WB, IHC-P</b>
Primary Accession	<a href="#">P02768</a>
Reactivity	<b>Human</b>
Host	<b>Rabbit</b>
Clonality	<b>Polyclonal</b>

**ALB Polyclonal Antibody - Additional Information****Gene ID** 213**Other Names**

Serum albumin

**Dilution**

WB~~1:1000

IHC-P~~N/A

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**ALB Polyclonal Antibody - Protein Information****Name** ALB**Function**

Binds water, Ca(2+), Na(+), K(+), fatty acids, hormones, bilirubin and drugs (Probable). Its main function is the regulation of the colloidal osmotic pressure of blood (Probable). Major zinc transporter in plasma, typically binds about 80% of all plasma zinc (PubMed:<a href="http://www.uniprot.org/citations/19021548" target="\_blank">19021548</a>). Major calcium and magnesium transporter in plasma, binds approximately 45% of circulating calcium and magnesium in plasma (By similarity). Potentially has more than two calcium-binding sites and might additionally bind calcium in a non-specific manner (By similarity). The shared binding site between zinc and calcium at residue Asp-273 suggests a crosstalk between zinc and calcium transport in the blood (By similarity). The rank order of affinity is zinc > calcium > magnesium (By similarity). Binds to the bacterial siderophore enterobactin and inhibits enterobactin-mediated iron uptake of E.coli from ferric transferrin, and may thereby limit the utilization of iron and growth of enteric bacteria such as E.coli (PubMed:<a href="http://www.uniprot.org/citations/6234017" target="\_blank">6234017</a>). Does not prevent iron uptake by the bacterial siderophore aerobactin (PubMed:<a href="http://www.uniprot.org/citations/6234017" target="\_blank">6234017</a>).

**Cellular Location**  
Secreted.

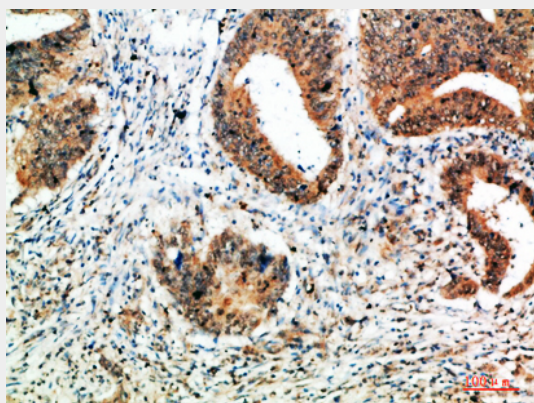
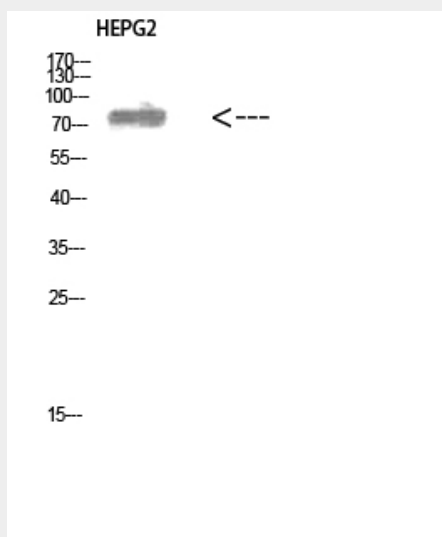
**Tissue Location**  
Plasma.

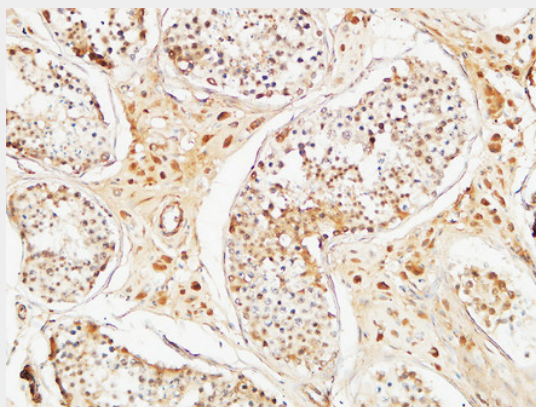
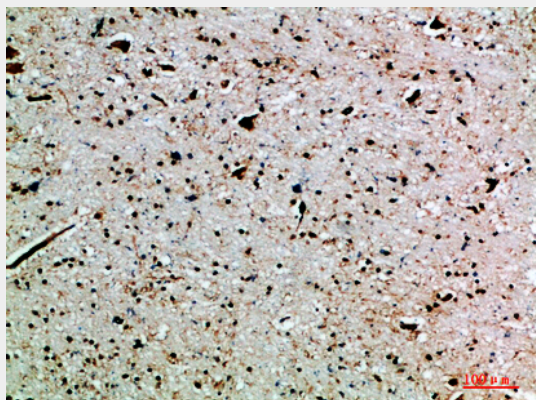
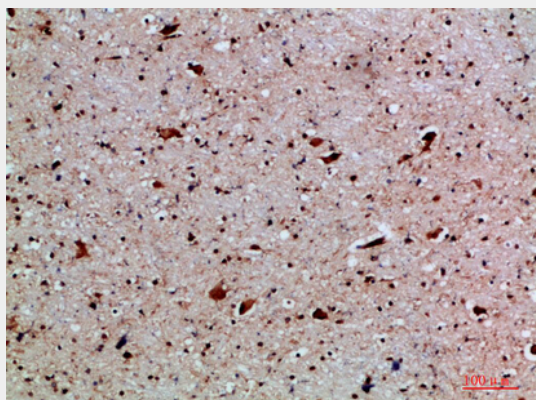
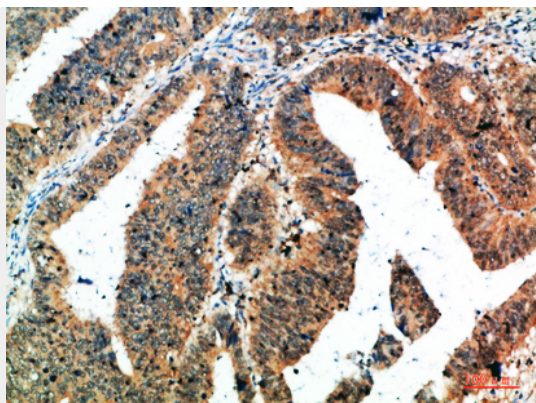
### ALB Polyclonal Antibody - Protocols

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

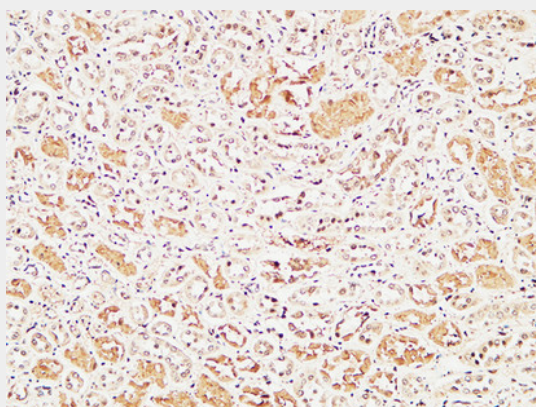
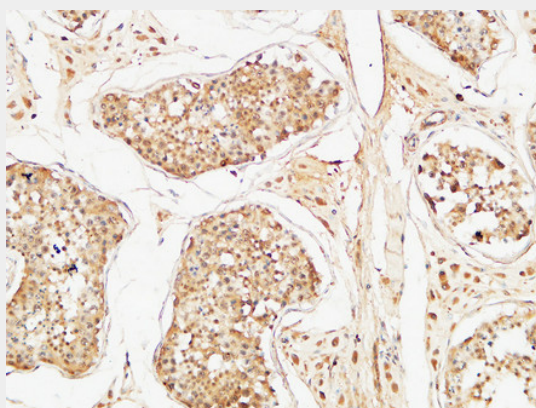
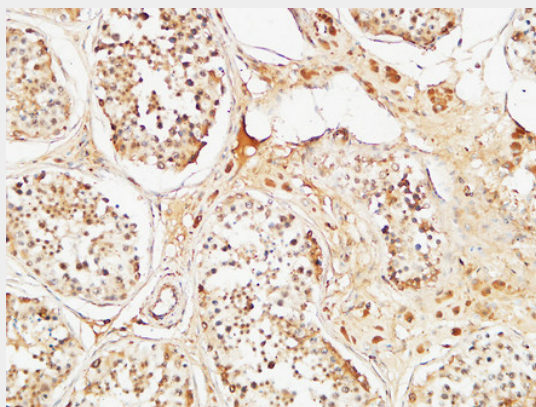
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

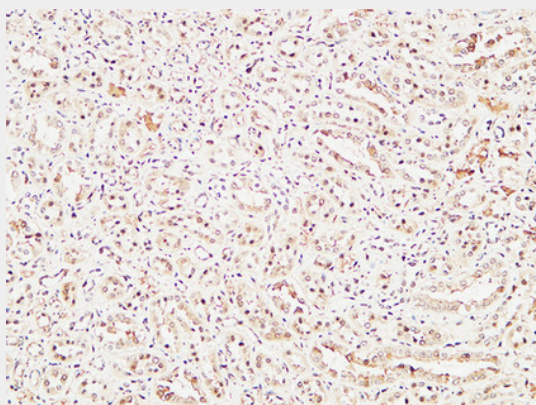
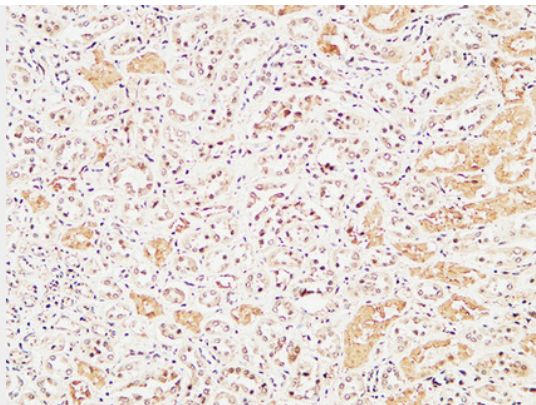
### ALB Polyclonal Antibody - Images











#### **ALB Polyclonal Antibody - Background**

Serum albumin, the main protein of plasma, has a good binding capacity for water,  $\text{Ca}^{2+}$ ,  $\text{Na}^{+}$ ,  $\text{K}^{+}$ , 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.