

## Serum albumin

Cat.No. 286 003; Polyclonal rabbit antibody, 100 µg specific antibody (lyophilized)

### Data Sheet

Reconstitution/ Storage	100 µg specific antibody, lyophilized. Affinity purified with the immunogen. For reconstitution add 100 µl H <sub>2</sub> O to get a 1mg/ml solution in PBS. Then aliquot and store at -20°C until use.
Applications	<b>WB:</b> 1 : 1000 (AP staining) (see remarks) <b>IP:</b> not tested yet <b>ICC:</b> N/A <b>IHC:</b> 1 : 400 (see remarks) <b>IHC-P/FFPE:</b> not tested yet
Immunogen	Recombinant protein corresponding to AA 1 to 607 from bovine Serum albumin (UniProt Id: P02769)
Reactivity	Reacts with: human (P02768), rat (P02770), mouse (P07724), Guinea pig, horse, donkey, cow, sheep, goat. No signal: rabbit (P49065). Other species not tested yet.
Specificity	Specific for serum albumin.
Remarks	<b>WB:</b> Do not use albumin containing buffers for blocking. Detects 25 ng of BSA. Serum albumin of other species is probably detected with lower sensitivity.  <b>IHC:</b> Do not use albumin containing buffers for blocking.

**TO BE USED IN VITRO / FOR RESEARCH ONLY**  
**NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS**

Albumins are globular, water soluble proteins. **Serum albumin** is the major protein in blood plasma and binds to different substances like cations, fatty acids, hormones, certain pharmaceuticals etc. However its main function is to regulate the colloidal osmotic pressure of blood.

### Selected References SYSY Antibodies

Blood-brain barrier breakdown involves four distinct stages of vascular damage in various models of experimental focal cerebral ischemia.

Krueger M, Bechmann I, Immig K, Reichenbach A, Härtig W, Michalski D

Journal of cerebral blood flow and metabolism : official journal of the International Society of Cerebral Blood Flow and Metabolism (2015) 35(2): 292-303. **IHC; tested species: mouse**

Immunosignals of Oligodendrocyte Markers and Myelin-Associated Proteins Are Critically Affected after Experimental Stroke in Wild-Type and Alzheimer Modeling Mice of Different Ages.

Michalski D, Keck AL, Grosche J, Martens H, Härtig W

Frontiers in cellular neuroscience (2018) 12: 23. **IHC; tested species: mouse**

Delayed histochemical alterations within the neurovascular unit due to transient focal cerebral ischemia and experimental treatment with neurotrophic factors.

Michalski D, Pitsch R, Pillai DR, Mages B, Aleithe S, Grosche J, Martens H, Schlachetzki F, Härtig W

PLoS one (2017) 12(4): e0174996. **IHC**

### Selected General References

Role of the magnesium cation on antihypertensive molecule-human serum albumin binding: affinity chromatography approach.

Guillaum YC, Nicod L, Truong-Thanh T, Guincharde C, Robert JF, Thomassin M

Journal of chromatography. B, Analytical technologies in the biomedical and life sciences (2002) 768(1): 129-35.