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## Recombinant anti-SPTA1 antibody (AA 356-475)



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Quantity:	100 μg	
Target:	SPTA1	
Binding Specificity:	AA 356-475	
Reactivity:	Human	
Host:	Rabbit	
Antibody Type:	Recombinant Antibody	
Clonality:	Monoclonal	
Conjugate:	This SPTA1 antibody is un-conjugated	
Application:	Western Blotting (WB), ELISA, Coating (Coat), Immunohistochemistry (Formalin-fixed Sections) (IHC (f))	

#### **Product Details**

Immunogen:	Recombinant fragment of human SPTA (around aa356-475) (exact sequence is proprietary)	
Clone:	SPTA1-2939R	
Isotype:	IgG	
Specificity:	Spectrin is an actin crosslinking and molecular scaffold protein that links the plasma membrane to the actin cytoskeleton, and functions in the determination of cell shape, arrangement of transmembrane proteins, and organization of organelles. Spectrins function as membrane organizers and stabilizers, composed of non-homologous ) are present in other somatic cells. The spectrin tetramers in erythrocytes act as barriers to lateral diffusion, but spectrin dimers seem to lack this function.	

### **Product Details** Cross-Reactivity (Details): Human. Purification: 1.0mg/ml of Ab purified from Bioreactor by Protein A/G. **Target Details** SPTA1 Target: Alternative Name: SPTA1 (SPTA1 Products) Background: Alpha I spectrin, Elliptocytosis 2 (EL2), Erythrocyte alpha spectrin, Erythroid alpha-spectrin, HPP, HS3, Spectrin alpha erythrocytic 1, SPH3, SPTA1, Spectrin Alpha 1 (Erythrocyte Marker) Cellular localisation: Cytoplasmic and Cell Surface 240kDa Molecular Weight: Gene ID: 6708, 119825 UniProt: P02549 Pathways: Regulation of Actin Filament Polymerization **Application Details Application Notes:** Known\_Application: ELISA (Use Ab at 2-4 µg/mL for coating) (Order Ab without BSA), Western Blot (1-2 μg/mL), Immunohistochemistry (Formalin-fixed) (1-2 μg/mL for 30 minutes at RT) (Staining of formalin-fixed tissues requires heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95&degC followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined. Positive\_Control: K562, HeLa, Jurkat cells. Placenta or Tonsil. Restrictions: For Research Use only

#### Handling

Concentration:	1.0 mg/mL	
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.	
Preservative:	Azide free	
Storage:	-20 °C,-80 °C	
Storage Comment:	Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.	
Expiry Date:	24 months	