

Rabbit alpha 1 Spectrin Polyclonal Antibody | anti-SPTA1 antibody

alpha 1 Spectrin Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA329006	Rabbit	Human, Mouse, Rat Predicted Reactivity: Horse(100%)	ELISA

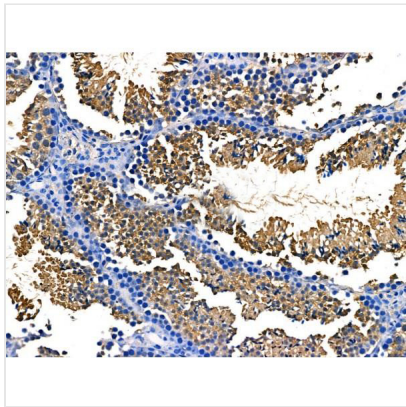
PRODUCT SYNONYMS

alpha 1 Spectrin; Polyclonal Antibody; alpha 1 Spectrin Antibody; Alpha I spectrin; EL 2; EL2; Elliptocytosis 2; Elliptocytosis2; Erythrocyte alpha spectrin; erythrocyte; Erythroid alpha spectrin; Erythroid alpha-spectrin; Erythroid spectrin alpha; HPP; HS3; Spectrin alpha chain; Spectrin alpha chain erythrocyte; Spectrin alpha erythrocytic 1; SPH3; SPTA 1; SPTA; SPTA1; SPTA1_HUMAN; anti-SPTA1 antibody

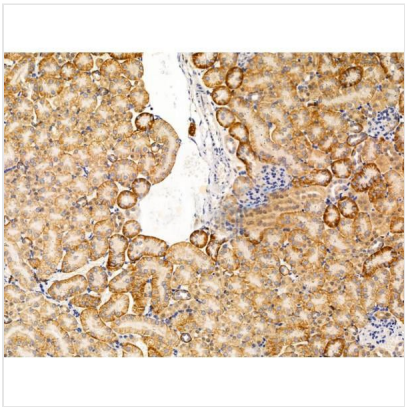
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat Predicted Reactivity: Horse(100%)
Clonality	Polyclonal
Isotype	IgG
Specificity	alpha 1 Spectrin Antibody detects endogenous levels of total alpha 1 Spectrin.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin (Thermo Fisher Scientific).
Form/Format	Liquid. Rabbit IgG in phosphate buffered saline, pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol
Concentration	1mg/ml (varies by lot)
Sequence Length	2419
Applicable Applications for anti-SPTA1 antibody	ELISA
Immunogen	A synthesized peptide derived from human alpha 1 Spectrin, corresponding to a region within C-terminal amino acids.
Fragment	Fab fragment
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

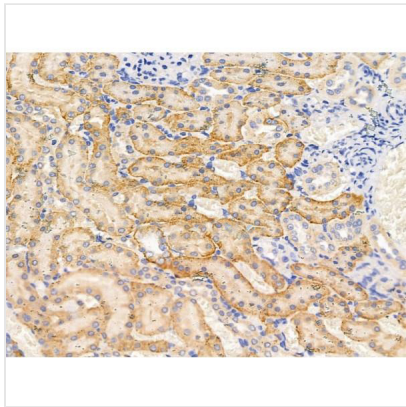
IMAGES



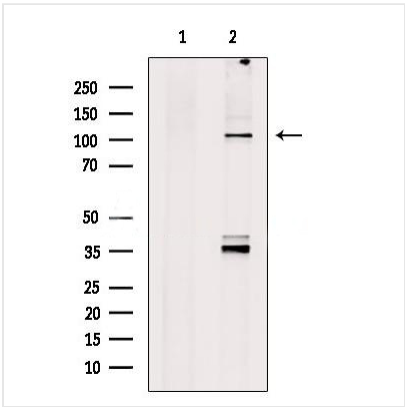
IHC (Immunohistochemistry)
AAA329006 at 1/100 staining Mouse testis tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
AAA329006 at 1/100 staining Mouse kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



IHC (Immunohistochemistry)
AAA329006 at 1/100 staining Rat kidney tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the primary antibody at 4Â°C overnight. An HRP conjugated anti-Rabbit antibody was used as the secondary antibody.



WB (Western Blot)
Western blot analysis of extracts from 3T3, using alpha 1 Spectrin Antibody. The lane on the left was treated with blocking peptide. Observed bands: 110 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SPTA1 antibody	Function: Spectrin is the major constituent of the cytoskeletal network underlying the erythrocyte plasma membrane. It associates with band 4.1 and actin to form the cytoskeletal superstructure of the erythrocyte plasma membrane.
	Subcellular Location: Cytoplasm>Cytoskeleton. Cytoplasm>Cell cortex.
	Subunit Structure: Composed of non-homologous chains, alpha and beta, which aggregate side-to-side in an antiparallel fashion to form dimers, tetramers, and higher polymers. Interacts with FASLG.
	Similarity: Belongs to the spectrin family.

NCBI AND UNIPROT INFORMATION

NCBI GI #	308153675
NCBI GeneID	6708
UniProt Accession #	P02549
Molecular Weight	Observed Molecular Weight: (Observed)280kD, 110kD. Predicted Molecular Weight: (Calculated)280kDa.

NCBI Official Full Name	Spectrin alpha chain, erythrocytic 1
NCBI Official Synonym Full Names	spectrin alpha, erythrocytic 1
NCBI Official Symbol	SPTA1
NCBI Official Synonym Symbols	EL2; HPP; HS3; SPH3; SPTA
NCBI Protein Information	spectrin alpha chain, erythrocytic 1
UniProt Protein Name	Spectrin alpha chain, erythrocytic 1
UniProt Gene Name	SPTA1
UniProt Synonym Gene Names	SPTA
UniProt Entry Name	SPTA1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/alpha-1-spectrin-antibody-elisa/329006>