

Rabbit SPTA1 Polyclonal Antibody | anti-SPTA1 antibody

SPTA1 Rabbit Polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA30554	Rabbit	Human, Mouse, Rat	Western Blot, Immunohistochemistry, Immunofluorescence

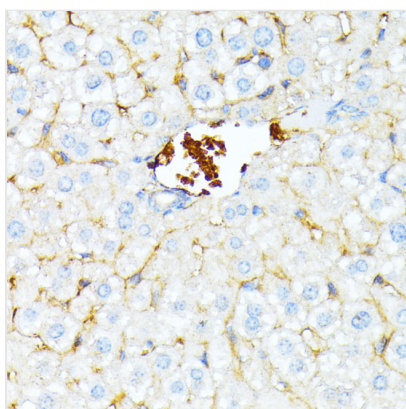
PRODUCT SYNONYMS

SPTA1; Polyclonal Antibody; SPTA1 Rabbit Polyclonal Antibody; anti-SPTA1 antibody

PRODUCT SPECIFICATIONS

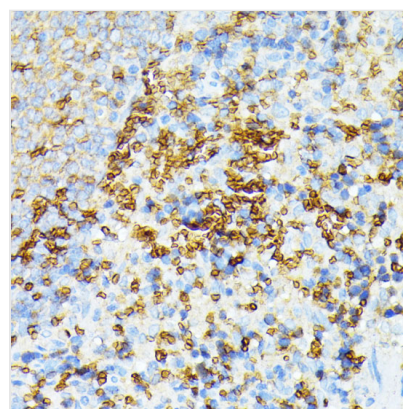
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Affinity purification
Form/Format	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg2+ and Ca2+), pH7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Concentration	1mg/ml (varies by lot)
Applicable Applications for anti-SPTA1 antibody	WB (Western Blot), IHC (Immunohistochemistry), IF (Immunofluorescence)
Application Notes	WB: 1:500-1:2000 IHC1:50-1:200 IF: 1:50-1:200
Immunogen	Recombinant fusion protein of human SPTA1 (NP_003117.2)
Preparation and Storage	Store at -20 degree C. Avoid freeze/thaw cycles.

IMAGES



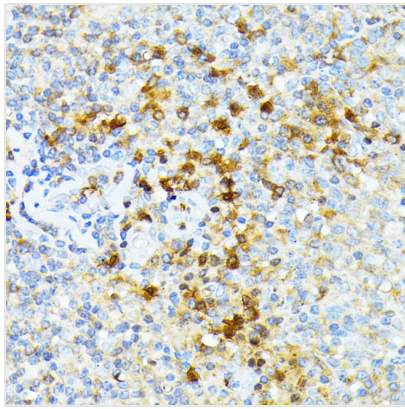
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded mouse liver using SPTA1 antibody at dilution of 1:100 .



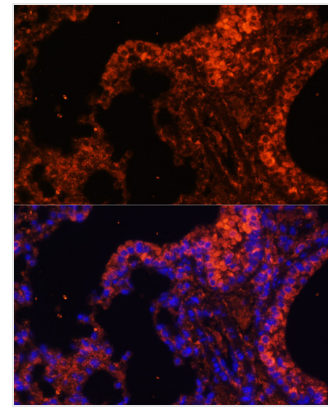
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat spleen using SPTA1 antibody at dilution of 1:100 .



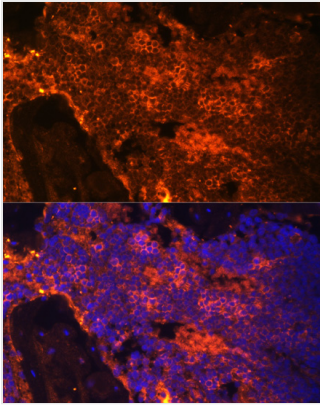
IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human tonsil using SPTA1 antibody at dilution of 1:100.



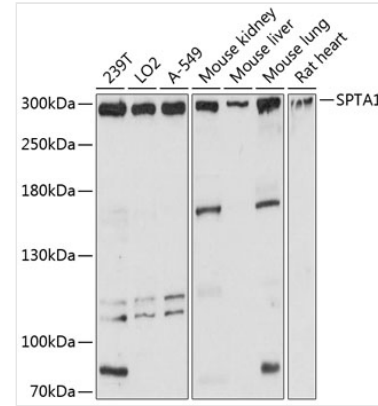
IF (Immunofluorescence)

Immunofluorescence analysis of mouse lung cells using SPTA1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



IF (Immunofluorescence)

Immunofluorescence analysis of rat bone marrow cells using SPTA1 antibody at dilution of 1:100. Blue: DAPI for nuclear staining.



WB (Western Blot)

Western blot analysis of extracts of various cell lines, using SPTA1 antibody at 1:3000 dilution.

ADDITIONAL INFORMATION

Related Product Information for anti-SPTA1 antibody	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. It is a tetramer made up of alpha-beta dimers linked in a head-to-head arrangement. This gene is one member of a family of alpha-spectrin genes. The encoded protein is primarily composed of 22 spectrin repeats which are involved in dimer formation. It forms weaker tetramer interactions than non-erythrocytic alpha spectrin, which may increase the plasma membrane elasticity and deformability of red blood cells. Mutations in this gene result in a variety of hereditary red blood cell disorders, including elliptocytosis type 2, pyropoikilocytosis, and spherocytic hemolytic anemia.
Product Categories/Family for anti-SPTA1 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	115298659
NCBI GeneID	6708
NCBI Accession #	NP_003117.2
NCBI GenBank Nucleotide #	NM_003126.2
UniProt Accession #	P02549 ; Q15514 ; Q5VYL1 ; Q5VYL2 ; Q6LDY5
Molecular Weight	279,674 Da
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; alpha-I spectrin; elliptocytosis 2; erythroid alpha-spectrin; spectrin alpha chain, erythrocyte; spectrin, alpha, erythrocytic 1 (elliptocytosis 2)
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://stage.aaabiotech.com/polyclonal/spta1-antibody-western-blot-immunohistochemistry-immunofluorescence-elisa/30554>