

Rabbit anti-Human, Mouse SPTA1 Polyclonal Antibody | anti-SPTA1 antibody

SPTA1 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA309292	Rabbit	Human, Mouse	Western Blot, Immunohistochemistry

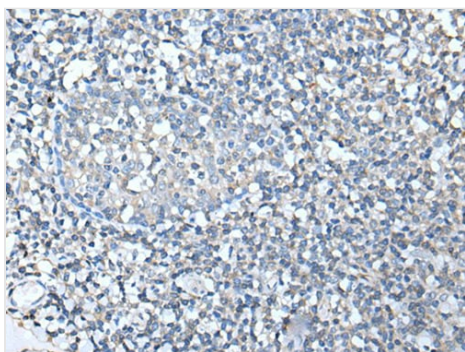
PRODUCT SYNONYMS

SPTA1; Polyclonal Antibody; SPTA1 Antibody; EL2; HPP; HS3; SPH3; SPTA; anti-SPTA1 antibody

PRODUCT SPECIFICATIONS

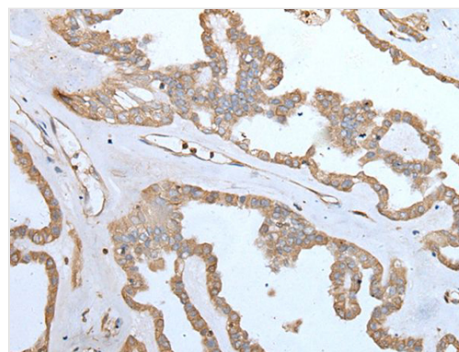
Host	Rabbit
Reactivity	Human, Mouse
Clonality	Polyclonal
Specificity	The antibody detects endogenous levels of total SPTA1 protein.
Purity/Purification	Antigen affinity purification
Form/Format	Rabbit IgG in pH7.4 PBS, 0.05% NaN ₃ , 40% Glycerol.
Concentration	0.6mg/ml (varies by lot)
Sequence Length	2419
Applicable Applications for anti-SPTA1 antibody	WB (Western Blot), IHC (Immunohistochemistry)
Immunogen	Synthetic peptide of human SPTA1
Immunogen Type	Peptide
Target Name	SPTA1
Preparation and Storage	Store at -20 degree C

IMAGES



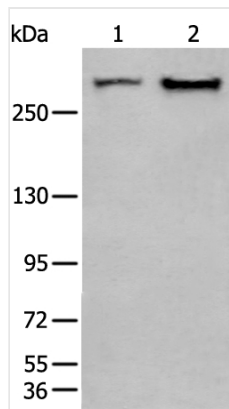
IHC (Immunohistochemisry)

The image on the left is immunohistochemistry of paraffin-embedded Human tonsil tissue using SPTA1 Antibody at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification: x200)



IHC (Immunohiostchemistry)

The image on the left is immunohistochemistry of paraffin-embedded Human thyroid cancer tissue using SPTA1 Antibody at dilution 1/25, on the right is treated with synthetic peptide. (Original magnification: x200)



SDS-PAGE

Gel: 6%SDS-PAGE Lysate: 40 ug, Lane 1-2: Human heart tissue&Mouse heart tissue lysates, Primary antibody:SPTA1 antibody at dilution 1/250 dilution, Secondary antibody: Goat anti rabbit IgG at 1/8000 dilution, Exposure time: 5 seconds

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	280kD
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://stage.aaabiotech.com/polyclonal/spta1-antibody-western-blot-immunohistochemistry-elisa/309292>