RecomAb™

SPTA1 recombinant monoclonal antibody, clone R04-4Z1

Catalog # RAB05628 Size 100 uL

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human SPTA1.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against corresponding to human SPTA1.
Theoretical MW (kDa)	Calculated MW: 280 k
Reactivity	Human, Mouse, Rat
Form	Liquid
Preparation Method	Mammalian cell (CHO) expression system
Isotype	IgG
Recommend Usage	Flow Cytometry (1/50-1/100) Immunofluorescence (1/50-1/200) Western Blot (1/500-1/1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA).
Storage Instruction	Store at 4°C. For long term storage store at -20°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunofluorescence
- Flow Cytometry

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- Western Blot

Gene Info — SPTA1

Entrez GeneID	6708
Gene Name	SPTA1
Gene Alias	EL2, SPTA
Gene Description	spectrin, alpha, erythrocytic 1 (elliptocytosis 2)
Omim ID	130600 182860 266140 270970
Gene Ontology	Hyperlink
Gene Summary	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 transmem brane proteins, and organization of organelles. It is a tetramer made up of alpha-beta dimers linke d in a head-to-head arrangement. This gene is one member of a family of alpha-spectrin genes. T he encoded protein is primarily composed of 22 spectrin repeats which are involved in dimer for mation. It forms weaker tetramer interactions than non-erythrocytic alpha spectrin, which may incre ase the plasma membrane elasticity and deformability of red blood cells. Mutations in this gene re sult in a variety of hereditary red blood cell disorders, including elliptocytosis type 2, pyropoikilocyt osis, and spherocytic hemolytic anemia. [provided by RefSeq
Other Designations	OTTHUMP00000021115|alpha-I spectrin|erythrocyte alpha-spectrin|erythroid alpha-spectrin|spect rin alpha chain, erythrocyte|spectrin, alpha, erythrocytic 1

Disease

- Hypertension
- Tobacco Use Disorder

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