

Recombinant Spectrin Alpha 1 (Erythrocyte Marker) Antibody

Mouse Monoclonal Antibody [Clone rSPTA1/1832]

Catalog No	Format	Size
6708-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6708-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6708-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

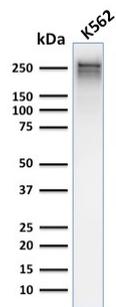
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

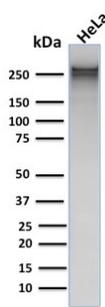
Clone	rSPTA1/1832
Gene Name	SPTA1
Immunogen	Recombinant fragment of human SPTA (around aa356-475) (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1 / Kappa
Mol. Weight of Antigen	240kDa
Cellular Localization	Cell cortex, Cytoplasm, Cytoskeleton
Species Reactivity	Human
Positive Control	Jurkat cells. Placenta or Tonsil., K562. HeLa, Kidney, Lung.

*Optimal dilution for a specific application should be determined.

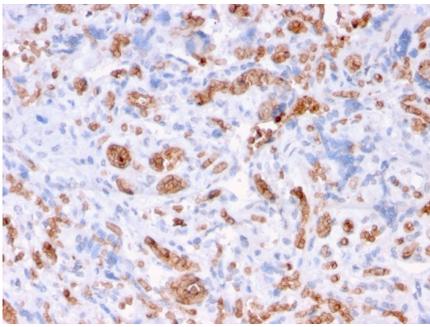
Product Images for Recombinant Spectrin Alpha 1 (Erythrocyte Marker) Antibody



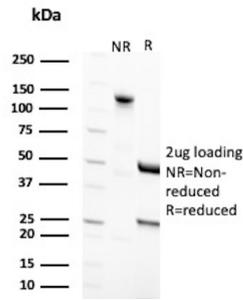
Western Blot Analysis of human K562 cell lysate using Spectrin alpha 1 Mouse Recombinant Monoclonal Antibody (rSPTA1/1832).



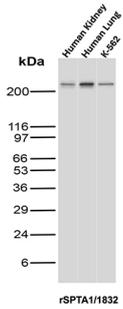
Western Blot Analysis of human HeLa cell lysate using Spectrin alpha 1 Mouse Recombinant Monoclonal Antibody (rSPTA1/1832).



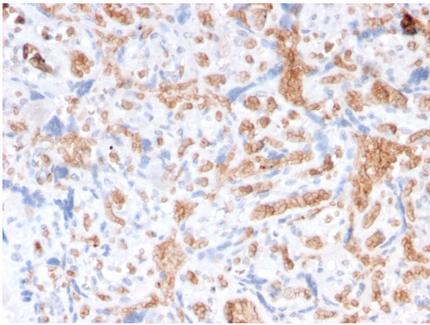
Formalin-fixed, paraffin-embedded human Placenta stained with Spectrin alpha 1 Mouse Recombinant Monoclonal Antibody (rSPTA1/1832).



SDS-PAGE Analysis of Purified Spectrin alpha chain, erythrocytic 1 Recombinant Mouse Monoclonal Antibody (rSPTA1/1832). Confirmation of Purity and Integrity of Antibody.



Western Blot Analysis of human Kidney, Human Lung and K-562 lysates using Spectrin alpha 1 Mouse Recombinant Monoclonal Antibody (rSPTA1/1832).



Formalin-fixed, paraffin-embedded human Placenta stained with Spectrin alpha 1 Mouse Recombinant Monoclonal Antibody (rSPTA1/1832).

Specificity & Comments

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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab produced in HEK293 cell mammalian-based expression system. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Developmental Biology, Signal Transduction