Recombinant Spectrin beta III (SPTBN2) Antibody

Rabbit Monoclonal Antibody [Clone SPTBN2/2894R]

Catalog No	Format	Size
6712-RBM7-P0	Purified Ab with BSA and Azide	200ug/ml
6712-RBM7-P1	Purified Ab with BSA and Azide	200ug/ml
6712-RBM7-P1ABX	Purified Ab WITHOUT BSA and Azide	1.0mg/ml

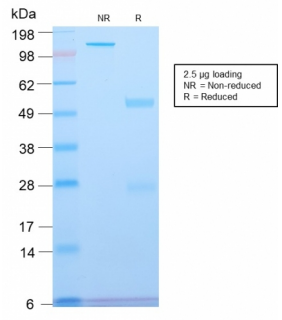
Applications	Tested Dillution
Flow Cytometry (Flow)	1-2ug/million cells
Immunohistochemistry (IHC)	1-2ug/ml
Western Blot (WB)	2-4ug/ml

Product Details

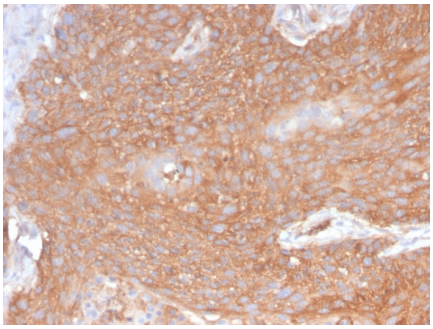
Clone	SPTBN2/2894R
Gene Name	SPTBN2
Immunogen	Recombinant human SPTBN2 fragment (aa356-475) (exact sequence is proprietary)
Host	Rabbit
Clonality	Monoclonal
Isotype / Light Chain	IgG / Kappa
Mol. Weight of Antigen	246kDa
Cellular Localization	Cell cortex, Cytoplasm, Cytoskeleton
Species Reactivity	Human
Positive Control	HeLa cells. Pancreas or Liver.

**Optimal dilution for a specific application should be determined.*

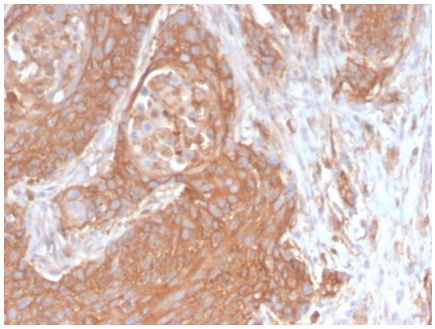
Product Images for Recombinant Spectrin beta III (SPTBN2) Antibody



SDS-PAGE Analysis Purified Spectrin beta III Rabbit Recombinant Monoclonal (SPTBN2/2894R). Confirmation of Integrity and Purity of Antibody.



Formalin-fixed, paraffin-embedded human Pancreatic Cancer stained with Spectrin beta III Rabbit Recombinant Monoclonal (SPTBN2/2894R).



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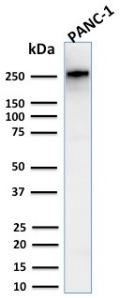
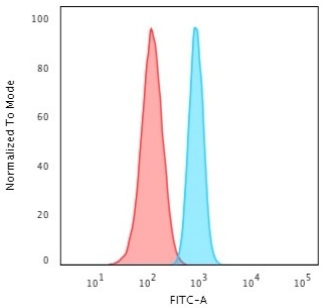
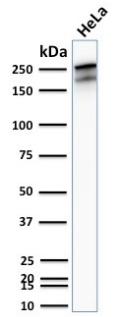


Western Blot Analysis of Human PANC-1 cell lysate using Spectrin beta III Rabbit Recombinant Monoclonal (SPTBN2/2894R).



Flow Cytometric Analysis of HeLa cells using Spectrin beta III Rabbit Recombinant Monoclonal (SPTBN2/2894R) followed by Goat anti-rabbit IgG-CF488 (Blue); Isotype Control (Red).



Western Blot Analysis of HeLa cell lysates using Spectrin beta III Rabbit Recombinant Monoclonal (SPTBN2/2894R).

Specificity & Comments

Spectrin is an actin binding protein that is a major component of the plasma membrane skeleton. Spectrins function as membrane organizers and stabilizers by forming dimers, tetramers and higher polymers. Vertebrate spectrins have two alpha-subunits (alpha-I/alpha-II) four beta-subunits (beta-I-beta-IV) and a beta-H subunit creating diversity and specialization of function. Spectrin III is highly expressed in brain, kidney, pancreas and liver, and at lower levels in lung and placenta. Spectrin beta 3 is primarily expressed in nervous tissues with highest expression levels in the cerebellum, where it is found in Purkinje cell soma and dendrites.

Research Areas

Developmental Biology, Immunology, Signal Transduction

Known Applications & Suggested Dilutions

Flow Cytometry (1-2ug/million cells) | (ELISA (Use Ab at 2-4ug/ml for coating) (Order Ab without BSA) | Western Blot (1-2ug/ml) | Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes 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&degC followed by cooling at RT for 20 minutes) | Optimal dilution for a specific application should be determined.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. 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.

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.

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