

bs-10784R**[Primary Antibody]****SPTBN2 Rabbit pAb****BioSS**
ANTIBODIES

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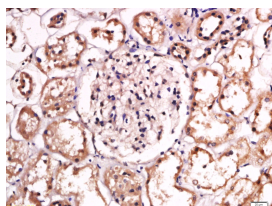
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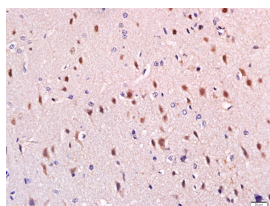
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Rat (predicted: Mouse, Rabbit, Sheep, Cow, Dog) Predicted MW.: 271 kDa Subcellular Location: Cytoplasm
Clonality: Polyclonal		
GeneID: 6712	SWISS: O15020	
Target: SPTBN2		
Immunogen: KLH conjugated synthetic peptide derived from human SPTBN2: 71-170/2390.		
Purification: affinity purified by Protein A		
Concentration: 1mg/ml		
Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
Background: 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. Spectrin Alpha and spectrin Beta are present in erythrocytes, whereas spectrin Alpha II (also designated fodrin Alpha) and spectrin Beta I (also designated fodrin Beta) 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. Spectrin Beta III is highly homologous to both spectrin Beta I and spectrin Beta II. Western blot analysis shows that spectrin Beta III migrates at a higher molecular mass than predicted in the kidney. Spectrin Beta III is highly expressed in brain, kidney, pancreas, and liver, and at lower levels in lung and placenta. Specifically, spectrin Beta III constitutes a major component of the Golgi and vesicular membrane skeletons.		

— VALIDATION IMAGES —

Tissue/cell: human kidney tissue; 4%
Paraformaldehyde-fixed and paraffin-
embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block
endogenous peroxidase by 3% Hydrogen
peroxide for 30min; Blocking buffer (normal goat
serum,C-0005) at 37°C for 20 min; Incubation:
Anti-SPTBN2 Polyclonal Antibody,
Unconjugated(bs-10784R) 1:200, overnight at
4°C, followed by conjugation to the secondary
antibody(SP-0023) and DAB(C-0010) staining



Tissue/cell: rat brain tissue; 4%
Paraformaldehyde-fixed and paraffin-
embedded; Antigen retrieval: citrate buffer (0.01M, pH 6.0), Boiling bathing for 15min; Block
endogenous peroxidase by 3% Hydrogen
peroxide for 30min; Blocking buffer (normal goat
serum,C-0005) at 37°C for 20 min; Incubation:
Anti-SPTBN2 Polyclonal Antibody,
Unconjugated(bs-10784R) 1:200, overnight at
4°C, followed by conjugation to the secondary
antibody(SP-0023) and DAB(C-0010) staining