

Product datasheet for **AP01504PU-N**

SPTBN1 Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	WB
Recommended Dilution:	Western Blot: 1/500-1/1000.
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Specificity:	Spectrin β II antibody detects endogenous levels of Spectrin β II protein. (region surrounding Met687)
Formulation:	Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2. State: Aff - Purified State: Liquid purified Ig fraction (>95% pure by SDS-PAGE)
Concentration:	1.0 mg/ml
Purification:	Affinity chromatography
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Predicted Protein Size:	~ 275 kDa
Gene Name:	spectrin beta, non-erythrocytic 1
Database Link:	Entrez Gene 6711 Human Q01082



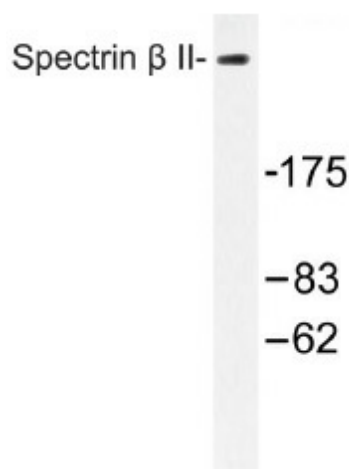
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Background:

Spectrin is an actin binding protein that is a major component of the cytoskeletal superstructure of the erythrocyte plasma membrane. Spectrins function as membrane organizers and stabilizers by forming dimers, tetramers and higher polymers. Spectrin α I and spectrin β I are present in erythrocytes, whereas spectrin α II (also designated fodrin α) and spectrin β II (also designated fodrin β) 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. Defects in the SPTB gene encoding spectrin β I are the cause of spherocytosis type I (SPH1), a disorder characterized by severe hemolytic anemia. Another disorder due to defects of SPTB is called elliptocytosis or elliptocytosis 3 (EL3). The human SPTB gene maps to chromosome 14q22-q23.2 and encodes the 2,137 amino acid, 246 kDa erythroid form of β -spectrin.

Synonyms:

SPTB2, Spectrin beta chain brain 1, Spectrin non-erythroid beta chain 1, Beta-II spectrin, Fodrin beta chain

Product images:


Western blot (WB) analysis of Spectrin β II antibody (Cat.-No.: AP01504PU-N) in extracts from COLO cells.