



Spectrin β II (M687) polyclonal antibody

Catalog: BS3402

Host: Rabbit

Reactivity: Human, Mouse

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.

Product:

1 mg/ml in Phosphate buffered saline (PBS) with 0.05% sodium azide, approx. pH 7.2.

Molecular Weight:

~ 275 kDa

Swiss-Prot:

Q01082

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

IHC: 1:50~1:200

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Spectrin β II (M687) polyclonal antibody detects endogenous levels of Spectrin β II protein.

DATA:

Note:

For research use only, not for use in diagnostic procedure.

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