

Datasheet for ABIN6940649

anti-Spectrin beta Chain, Erythrocyte (SPTB) antibody[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Spectrin beta Chain, Erythrocyte (SPTB)
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	Un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC), Coating (Coat), ELISA, Staining Methods (StM)

Product Details

Immunogen:	Red cell membranes
Clone:	RG-26
Isotype:	IgG2a kappa
Purification:	Purified by Protein A/G

Target Details

Target:	Spectrin beta Chain, Erythrocyte (SPTB)
Alternative Name:	SPTB (SPTB Products)
Background:	Spectrin is a cytoskeletal protein that lines the intracellular side of the plasma membrane of many cell types in pentagonal or hexagonal arrangements, forming a scaffolding and playing an important role in maintenance of plasma membrane integrity and cytoskeletal structure. In

Target Details

certain types of brain injury such as diffuse axonal injury, spectrin is irreversibly cleaved by the proteolytic enzyme calpain, destroying the cytoskeleton. Spectrin cleavage causes the membrane to form blebs and ultimately to be degraded, usually leading to cell death.

Molecular Weight: 246kDa

Gene ID: 6710

UniProt: [O15020](#)

Pathways: [Regulation of Actin Filament Polymerization](#)

Application Details

Application Notes: Positive Control: Jurkat whole cell lysate (WB). Human colon carcinoma tissue (IHC).
Known Application: ELISA (Use Ab at 2-4 µg/mL for coating) (Order Ab without BSA), Western Blot (1-2 µg/mL), Immunofluorescence (1-2 µg/mL), Immunohistochemistry (Formalin-fixed) (1-2 µg/mL for 30 minutes at RT), (Staining of formalin-fixed tissues requires boiling tissue sections in 10 mM citrate buffer, pH 6.0, for 10-20 min followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined.

Restrictions: For Research Use only

Handling

Concentration: 200 µg/mL

Buffer: 10 mM PBS with 0.05 % BSA & 0.05 % azide.

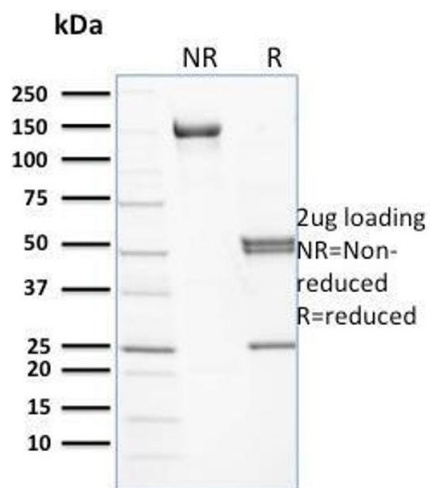
Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C, -80 °C

Storage Comment: 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.

Expiry Date: 24 months



SDS-PAGE

Image 1. SDS-PAGE Analysis Purified Spectrin beta III Mouse Monoclonal Antibody (RG/26). Confirmation of Purity and Integrity of Antibody.