



[Go to Product page](#)

Datasheet for ABIN6938442

anti-Spectrin beta Chain, Erythrocyte (SPTB) antibody

Overview

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

Product Details

Immunogen:	Red cell membranes
Clone:	RG-26
Isotype:	IgG2a kappa
Specificity:	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 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.
Cross-Reactivity (Details):	Human. Mouse. Rat.
Purification:	1.0mg/ml of Ab purified from Bioreactor by Protein A/G.

Target Details

Target:	Spectrin beta Chain, Erythrocyte (SPTB)
Alternative Name:	SPTB (SPTB Products)
Background:	Beta-I spectrin, EL3, erythrocyte, HS2, SPTB1, HSPTB1, membrane cytoskeletal protein, spectrin beta (erythrocytic), Spectrin beta I (SPTB) Cellular localisation: Cell Surface
Molecular Weight:	246kDa
Gene ID:	6710, 26915
UniProt:	O15020
Pathways:	Regulation of Actin Filament Polymerization

Application Details

Application Notes:	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 heating tissue sections in 10 mM Tris with 1 mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes), Optimal dilution for a specific application should be determined. Positive_Control: Jurkat whole cell lysate (WB). Human colon carcinoma tissue (IHC).
Restrictions:	For Research Use only

Handling

Concentration:	1.0 mg/mL
Buffer:	Prepared in 10 mM PBS, WITHOUT BSA and Azide.
Preservative:	Azide free
Storage:	-20 °C,-80 °C
Storage Comment:	Antibody without azide store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous.
Expiry Date:	24 months