



Rabbit Anti-Human Spectrin beta-3 monoclonal antibody, clone 25I2M25 (CABT-L1604)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody is predicted to react with Monkey, Cat and Dog
Target	SPTBN2
Immunogen	Peptides corresponding to Human SPTBN2 (aa 1334-1351, 1733-1750)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	25I2M25
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	FC, ICC, IF,
Format	Liquid
Concentration	0.5 mg/ml
Buffer	PBS, pH 7.2
Preservative	0.09% Sodium Azide
Storage	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.

BACKGROUND

Introduction	Spectrin (Sp), the most abundant of the erythrocyte membrane skeleton proteins, helps cells maintain their characteristic biconcave shape while remaining flexible and elastic. Mutations in spectrins cause ataxia and neurodegenerative disease that affect membrane proteins involved in glutamate signaling. Mutations in beta-3, specifically, can cause spinocerebellar ataxia type 5 (SCA5).
Keywords	SPTBN2;spectrin, beta, non-erythrocytic 2;SCA5;SCAR14;GTRAP41;spectrin beta chain, non-erythrocytic 2;beta-III spectrin;spectrin beta III sigma 2;spectrin beta chain, brain 2;spinocerebellar ataxia 5 protein

GENE INFORMATION

Entrez Gene ID [6712](#)

UniProt ID [O15020](#)