

AB-NN329-2

beta 4 Spectrin Antibody

Pan-specific monoclonal antibody (S393-2) for monitoring the expression of human beta 4 Spectrin



KINEXUS

Address: 8755 Ash Street, Suite 1
Vancouver, British Columbia,
Canada V6P 6T3

Email: info@kinexus.ca
Phone: 604-323-2547

Target Protein

Name Long:	Spectrin beta chain, non-erythrocytic 4
Alias:	BetaIV-spectrin sigma1, Non-erythrocytic spectrin beta chain 4, Non-erythroidspectrin beta chain 3, SPTBN4, SPTBN3, Spnb4, KIAA1642, EMBL BAB83243.1, Ensembl ENSRNOP00000028393
UniProt ID:	Q9H254 - Human
Human Predicted Mass (kDa):	288.985 (2564 AA; Q9H254-1); 243.424 (2154 AA; Q9H254-4); 148.622 (1307 AA; Q9H254-3); 146.169 (1309 AA; Q9H254-2); 77.167 (678 AA; Q9H254-5)
Observed SDS-PAGE Mass (kDa):	>200

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 1621-1832 (C-terminal repeats 14 to 15) of human Beta4-spectrin
-----------------------------------	--

Production

Antibody Host Species:	Mouse
Antibody Type:	Monoclonal
Antibody Ig Isotype Clone Lot:	IgG1
Antibody Purification:	Protein G purified
Amount:	25 µg
Antibody Concentration:	1 mg/ml
Lot Number:	15DE1
Storage Buffer:	Phosphate buffered saline pH 7.4, 50% glycerol, 0.1% sodium azide
Storage Conditions and Stability:	For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles. For long term storage, keep frozen at -40°C or lower. Stock solution can be kept at +4°C for more than 3 months. Avoid repeated freeze-thaw cycles.

Applications

Product Use:	WB IHC ICC/IF
Antibody Dilution Recommended:	WB (1:1000); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human Mouse Rat
Antibody Positive Control:	A 1:100 dilution of SMC-484 was sufficient for detection of Beta 4 Spectrin in 20 µg of mouse brain lysate by ECL immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	In mouse brain lysates, this antibody detects a >200 kDa protein.
Antibody Specificity:	High
Antibody Cross Reactivities:	Does not cross-react with other Beta-spectrins One very strong ~75 kDa immunoreactive protein.

This product is for in vitro research use only and is not intended for use in humans or animals.

For more information on our products please visit www.kinexusproducts.ca or contact us at 1-888-546-3987