

AB-NN245-1

Laforin Antibody

Pan-specific monoclonal antibody (S84-37) for monitoring the expression of human Laforin



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:	Laforin
Alias:	EPM2, Epilepsy progressive myoclonus type 2 Lafora disease (laforin) , Epilepsy progressive myoclonus type 2A Lafora disease (laforin), EPM2, Epm2a, Lafora PTPase, LAFPTPase, LD, LDE, MELF
UniProt ID:	O95278 - Human
Human Predicted Mass (KDa):	37.158 (331 AA; O95278-1); 35.519 (317 AA; O95278-2); 35.169 (344 AA; O95278-1); 24.134 (224 AA; O95278-5); 22.160 (193 AA; O95278-8); 20.256 (177 AA; O95278-7); 15.804 (152 AA; O95278-4); 9.933 (88 AA; O95278-6)
Observed SDS-PAGE Mass (KDa):	40

Immunogen

Antibody Immunogen Source:	Fusion protein amino acids 1-331 (full-length) of human Laforin. Rat: 90% identity (296/327 amino acids identical). Mouse: 89% identity (295/327 amino acids identical)
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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 ICC/IF
Antibody Dilution Recommended:	WB (1:1000); optimal dilutions for assays should be determined by the user.
Antibody Species Reactivity:	Human
Antibody Positive Control:	1 µg/ml of SMC-466 was sufficient for detection of Laforin in 20 µg of human brain lysate by colorimetric immunoblot analysis using Goat anti-mouse IgG:HRP as the secondary antibody.
Target Detection Immunoblotting:	In mouse brain lysates, this antibody detects a ~40 kDa protein.
Antibody Specificity:	Very High
Antibody Cross Reactivities:	One weak ~70 KDa cross-reactive protein and possibly a very weak ~40 KDa target protein in mouse brain lysates.

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

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