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SYNE1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant SYNE1.
Catalog # AT4121a

Product Information

Application	WB, E
Primary Accession	Q8NF91
Other Accession	NM_182961
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG3 Kappa
Clone Names	4C3
Calculated MW	1011086

Additional Information

Gene ID	23345
Other Names	Nesprin-1, Enaptin, Myocyte nuclear envelope protein 1, Myne-1, Nuclear envelope spectrin repeat protein 1, Synaptic nuclear envelope protein 1, Syne-1, SYNE1, C6orf98, KIAA0796, KIAA1262, KIAA1756, MYNE1
Target/Specificity	SYNE1 (NP_892006, 1561 a.a. ~ 1670 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	SYNE1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

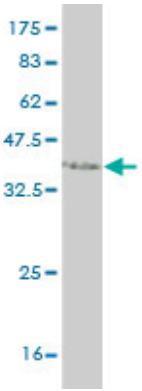
Background

This gene encodes a spectrin repeat containing protein expressed in skeletal and smooth muscle, and peripheral blood lymphocytes, that localizes to the nuclear membrane. Mutations in this gene have been associated with autosomal recessive spinocerebellar ataxia 8, also referred to as autosomal recessive cerebellar ataxia type 1 or recessive ataxia of Beauce. Alternatively spliced transcript variants encoding different isoforms have been described.

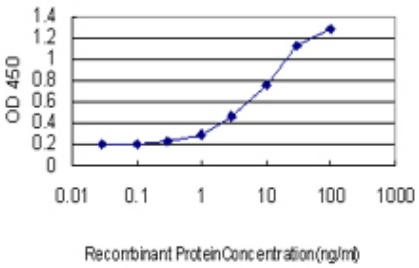
References

Personalized smoking cessation: interactions between nicotine dose, dependence and quit-success genotype score. Rose JE, et al. Mol Med, 2010 Jul-Aug. PMID 20379614.Meta-analysis of genome-wide association data of bipolar disorder and major depressive disorder. Liu Y, et al. Mol Psychiatry, 2010 Mar 30. PMID 20351715.Genome-wide association study of alcohol dependence implicates a region on chromosome 11. Edenberg HJ, et al. Alcohol Clin Exp Res, 2010 May. PMID 20201924.ESR1/SYNE1 polymorphism and invasive epithelial ovarian cancer risk: an Ovarian Cancer Association Consortium study. Doherty JA, et al. Cancer Epidemiol Biomarkers Prev, 2010 Jan. PMID 20056644.Mutation of SYNE-1, encoding an essential component of the nuclear lamina, is responsible for autosomal recessive arthrogryposis. Attali R, et al. Hum Mol Genet, 2009 Sep 15. PMID 19542096.

Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



Detection limit for recombinant GST tagged SYNE1 is approximately 0.1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.