

C10orf4 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant C10orf4.

Catalog # AT1325a

Product Information

Application	WB
Primary Accession	Q70Z53
Other Accession	NM_145246
Reactivity	Human, Rat
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	2C4
Calculated MW	37548

Additional Information

Gene ID	118924
Other Names	Protein FRA10AC1, FRA10AC1, C10orf4
Target/Specificity	C10orf4 (NP_660289, 1 a.a. ~ 100 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000
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	C10orf4 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

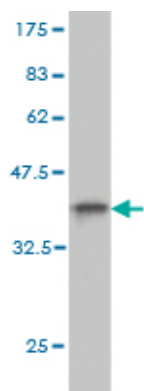
The protein encoded by this gene is a nuclear phosphoprotein of unknown function. The 5' UTR of this gene is part of a CpG island and contains a tandem CGG repeat region that normally consists of 8-14 repeats but can expand to over 200 repeats. The expanded allele becomes hypermethylated and is not transcribed; however, an expanded repeat region has not been associated with any disease phenotype. This gene is found within the rare FRA10A folate-sensitive fragile site.

References

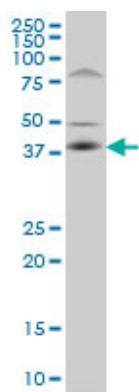
A scan of chromosome 10 identifies a novel locus showing strong association with late-onset Alzheimer disease. Grupe A, et al. Am J Hum Genet, 2006 Jan. PMID 16385451. A human protein-protein interaction

network: a resource for annotating the proteome. Stelzl U, et al. Cell, 2005 Sep 23. PMID 16169070. The status, quality, and expansion of the NIH full-length cDNA project: the Mammalian Gene Collection (MGC). Gerhard DS, et al. Genome Res, 2004 Oct. PMID 15489334. Folate-sensitive fragile site FRA10A is due to an expansion of a CGG repeat in a novel gene, FRA10AC1, encoding a nuclear protein. Sarafidou T, et al. Genomics, 2004 Jul. PMID 15203205. The DNA sequence and comparative analysis of human chromosome 10. Deloukas P, et al. Nature, 2004 May 27. PMID 15164054.

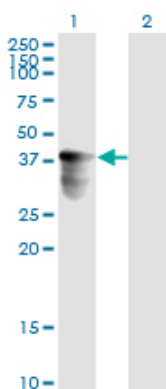
Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 KDa) .



C10orf4 monoclonal antibody (M02), clone 2C4 Western Blot analysis of C10orf4 expression in PC-12 ((Cat # AT1325a)



Western Blot analysis of C10orf4 expression in transfected 293T cell line by C10orf4 monoclonal antibody (M02), clone 2C4.

Lane 1: C10orf4 transfected lysate (37.6 KDa).
Lane 2: Non-transfected lysate.

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