

CRLF1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant CRLF1.

Catalog # AT1627a

Product Information

Application	WB, E
Primary Accession	O75462
Other Accession	NM_004750
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	5C2
Calculated MW	46302

Additional Information

Gene ID	9244
Other Names	Cytokine receptor-like factor 1, Cytokine-like factor 1, CLF-1, ZcytoR5, CRLF1
Target/Specificity	CRLF1 (NP_004741, 135 a.a. ~ 230 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	CRLF1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

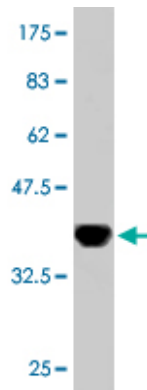
This gene encodes a member of the cytokine type I receptor family. The protein forms a secreted complex with cardiotrophin-like cytokine factor 1 and acts on cells expressing ciliary neurotrophic factor receptors. The complex can promote survival of neuronal cells. Mutations in this gene result in Crisponi syndrome and cold-induced sweating syndrome.

References

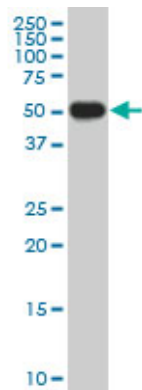
Cytokine receptor-like factor 1 is highly expressed in damaged human knee osteoarthritic cartilage and involved in osteoarthritis downstream of TGF-beta. Tsuritani K, et al. Calcif Tissue Int, 2010 Jan. PMID 19921088. Crisponi syndrome is caused by mutations in the CRLF1 gene and is allelic to cold-induced

sweating syndrome type 1. Crisponi L, et al. Am J Hum Genet, 2007 May. PMID 17436252. Mutations in cytokine receptor-like factor 1 (CRLF1) account for both Crisponi and cold-induced sweating syndromes. Dagoneau N, et al. Am J Hum Genet, 2007 May. PMID 17436251. 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. Signal peptide prediction based on analysis of experimentally verified cleavage sites. Zhang Z, et al. Protein Sci, 2004 Oct. PMID 15340161.

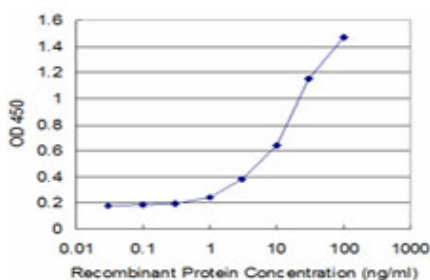
Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.3 KDa) .



CRLF1 monoclonal antibody (M02), clone 5C2. Western Blot analysis of CRLF1 expression in HeLa (Cat # AT1627a)



Detection limit for recombinant GST tagged CRLF1 is approximately 1ng/ml as a capture antibody.

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