10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

CGGBP1 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant CGGBP1.
Catalog # AT1509a

Product Information

Application	WB, IHC, IF, E
Primary Accession	Q9UFW8
Other Accession	NM_003663
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	1D11
Calculated MW	18820

Additional Information

Gene ID	8545
Other Names	CGG triplet repeat-binding protein 1, CGG-binding protein 1, 20 kDa CGG-binding protein, p20-CGGBP DNA-binding protein, CGGBP1, CGGBP
Target/Specificity	CGGBP1 (NP_003654, 58 a.a. ~ 167 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IHC~~1:100~500 IF~~1:50~200 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	CGGBP1 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

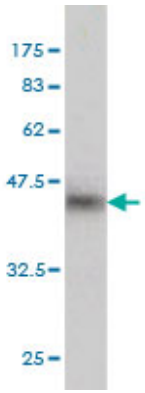
CGGBP1 influences expression of the FMR1 gene (MIM 309550), which is associated with the fragile X mental retardation syndrome (MIM 300624), by specifically interacting with the 5-prime (CGG)n-3-prime repeat in its 5-prime UTR.

References

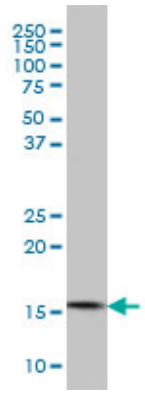
[The role of ZF5 and CGGBP-20 transcription factors in expression regulation of human FMR1 gene responsible for X-fragile syndrome] Guly? PV, et al. Tsitologiia, 2009. PMID 20141036.Fragile X gene stability in Basque Valleys: prevalence of premutation and intermediate alleles. Arrieta I, et al. Hum Biol, 2008 Dec.

PMID 19728537.The LIFEdb database in 2006. Mehrle A, et al. Nucleic Acids Res, 2006 Jan 1. PMID 16381901.A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. Cell, 2005 Sep 23. PMID 16169070.From ORFeome to biology: a functional genomics pipeline. Wiemann S, et al. Genome Res, 2004 Oct. PMID 15489336.

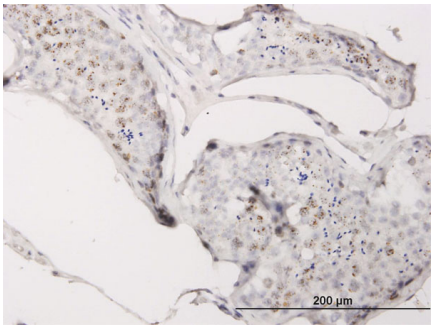
Images



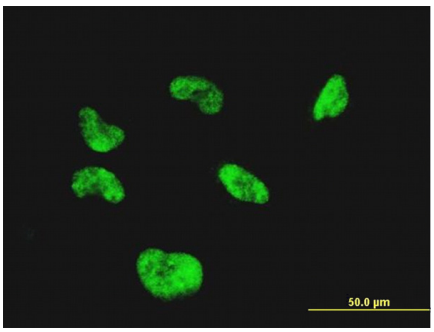
Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (37.84 KDa) .



CGGBP1 monoclonal antibody (M02), clone 1D11 Western Blot analysis of CGGBP1 expression in K-562 ((Cat # AT1509a)

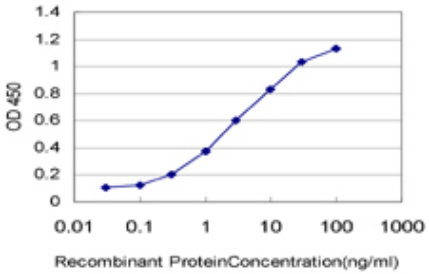


Immunoperoxidase of monoclonal antibody to CGGBP1 on formalin-fixed paraffin-embedded human testis. [antibody concentration 1.5 ug/ml]



Immunofluorescence of monoclonal antibody to CGGBP1 on HeLa cell. [antibody concentration 10 ug/ml]

Detection limit for recombinant GST tagged CGGBP1 is approximately 0.03ng/ml as a capture antibody.



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