

XAB1 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant XAB1.

Catalog # AT4547a

Product Information

Application	WB, IHC, IF, E
Primary Accession	Q9HCN4
Other Accession	BC007451
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	30
Calculated MW	41740

Additional Information

Gene ID	11321
Other Names	GPN-loop GTPase 1, 365-, MBD2-interacting protein, MBDin, RNAPII-associated protein 4, XPA-binding protein 1, GPN1 {ECO:0000303 PubMed:20855544, ECO:0000312 HGNC:HGNC:17030}
Target/Specificity	XAB1 (AAH07451, 9 a.a. ~ 118 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	XAB1 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

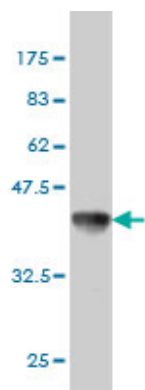
This gene encodes a guanosine triphosphatase enzyme. The encoded protein may play a role in DNA repair and may function in activation of transcription. Alternatively spliced transcript variants have been described.

References

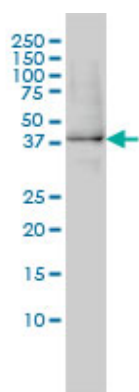
Defining the human deubiquitinating enzyme interaction landscape. Sowa ME, et al. Cell, 2009 Jul 23. PMID 19615732. Systematic analysis of the protein interaction network for the human transcription machinery reveals the identity of the 7SK capping enzyme. Jeronimo C, et al. Mol Cell, 2007 Jul 20. PMID

17643375. Towards a proteome-scale map of the human protein-protein interaction network. Rual JF, et al. Nature, 2005 Oct 20. PMID 16189514. 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. MBDin, a novel MBD2-interacting protein, relieves MBD2 repression potential and reactivates transcription from methylated promoters. Lembo F, et al. Mol Cell Biol, 2003 Mar. PMID 12588985.

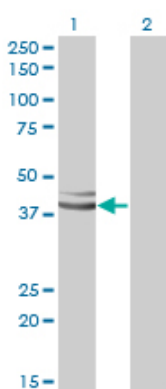
Images



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

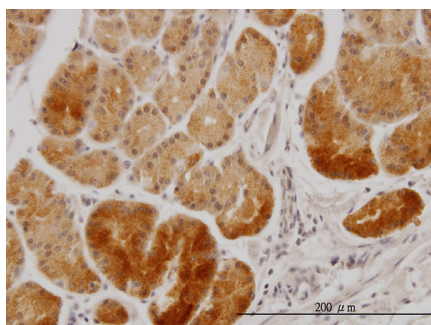


XAB1 monoclonal antibody (M01), clone 3E1 Western Blot analysis of XAB1 expression in HL-60 ((Cat # AT4547a)



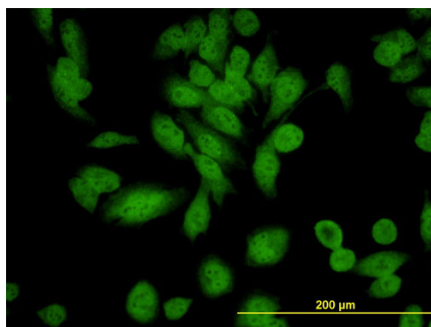
Western Blot analysis of XAB1 expression in transfected 293T cell line by XAB1 monoclonal antibody (M01), clone 3E1.

Lane 1: XAB1 transfected lysate (41.7 kDa).
Lane 2: Non-transfected lysate.

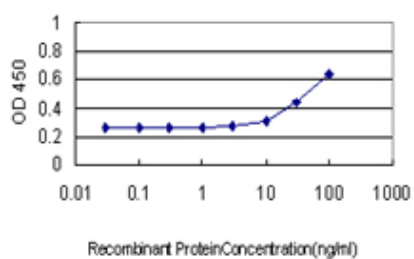


Immunoperoxidase of monoclonal antibody to XAB1 on formalin-fixed paraffin-embedded human stomach. [antibody concentration 3 ug/ml]

Immunofluorescence of monoclonal antibody to XAB1 on



HeLa cell. [antibody concentration 10 ug/ml]



Detection limit for recombinant GST tagged XAB1 is approximately 3ng/ml as a capture antibody.

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