

XAB1 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant XAB1.****Catalog # AT4547a****Specification**

XAB1 Antibody (monoclonal) (M01) - Product Information

Application	IF, WB, IHC, E
Primary Accession	O9HCN4
Other Accession	BC007451
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 Kappa
Calculated MW	41740

XAB1 Antibody (monoclonal) (M01) - 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

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.

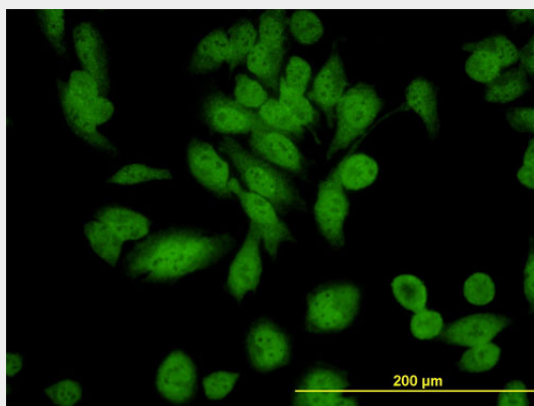
XAB1 Antibody (monoclonal) (M01) - Protocols

Provided below are standard protocols that you may find useful for product applications.

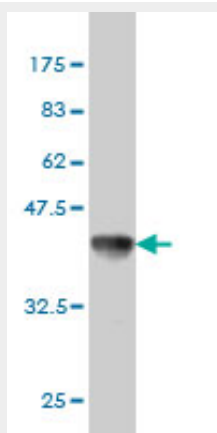
- [Western Blot](#)
- [Blocking Peptides](#)

- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

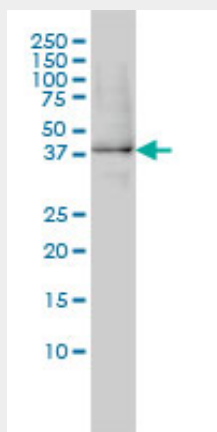
XAB1 Antibody (monoclonal) (M01) - Images



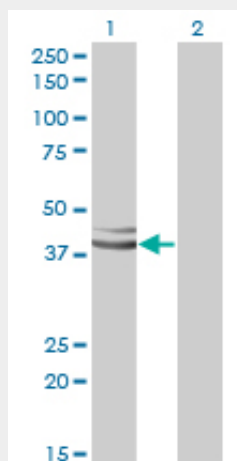
Immunofluorescence of monoclonal antibody to XAB1 on HeLa cell. [antibody concentration 10 ug/ml]



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



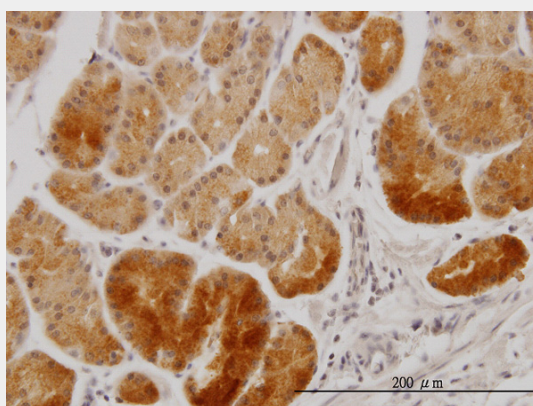
XAB1 monoclonal antibody (M01), clone 3E1 Western Blot analysis of XAB1 expression in HL-60 (Cat # AT4547a)



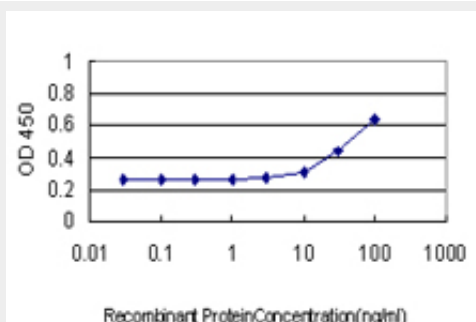
Western Blot analysis of XAB1 expression in transfected 293T cell line by XAB1 monoclonal antibody (M01), clone 3E1.

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]



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

XAB1 Antibody (monoclonal) (M01) - 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.

XAB1 Antibody (monoclonal) (M01) - 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.