

RNF20 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant RNF20.****Catalog # AT3674a****Specification**

RNF20 Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	Q5VTR2
Other Accession	NM_019592
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	113662

RNF20 Antibody (monoclonal) (M01) - Additional Information**Gene ID** 56254**Other Names**

E3 ubiquitin-protein ligase BRE1A, BRE1-A, hBRE1, 632-, RING finger protein 20, RNF20, BRE1A

Target/Specificity

RNF20 (NP_062538, 177 a.a. ~ 276 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

RNF20 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

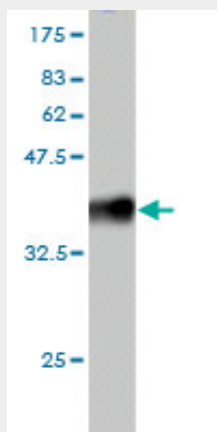
RNF20 Antibody (monoclonal) (M01) - Protocols

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

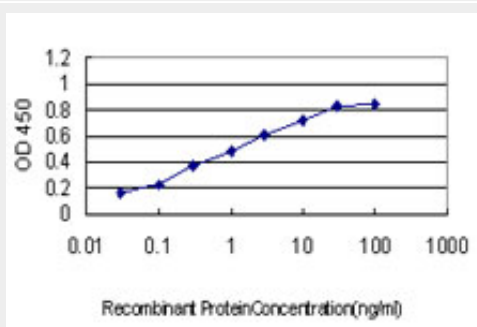
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

RNF20 Antibody (monoclonal) (M01) - Images



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



Detection limit for recombinant GST tagged RNF20 is approximately 0.03ng/ml as a capture antibody.

RNF20 Antibody (monoclonal) (M01) - Background

The protein encoded by this gene shares similarity with BRE1 of *S. cerevisiae*. Yeast BRE1 is a ubiquitin ligase required for the ubiquitination of histone H2B and the methylation of histone H3.

RNF20 Antibody (monoclonal) (M01) - References

Mammalian BTBD12/SLX4 assembles a Holliday junction resolvase and is required for DNA repair. Svendsen JM, et al. *Cell*, 2009 Jul 10. PMID 19596235. RAD6-Mediated transcription-coupled H2B ubiquitylation directly stimulates H3K4 methylation in human cells. Kim J, et al. *Cell*, 2009 May 1. PMID 19410543. Human BRE1 is an E3 ubiquitin ligase for Ebp1 tumor suppressor. Liu Z, et al. *Mol Biol Cell*, 2009 Feb. PMID 19037095. The histone H2B-specific ubiquitin ligase RNF20/hBRE1 acts as a putative tumor suppressor through selective regulation of gene expression. Shema E, et al. *Genes Dev*, 2008 Oct 1. PMID 18832071. Chromatid cohesion defects may underlie chromosome instability in human colorectal cancers. Barber TD, et al. *Proc Natl Acad Sci U S A*, 2008 Mar 4. PMID 18299561.