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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

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

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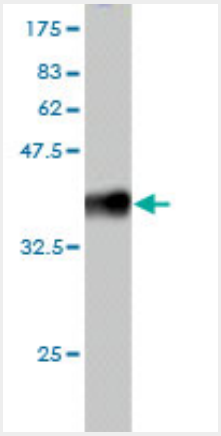
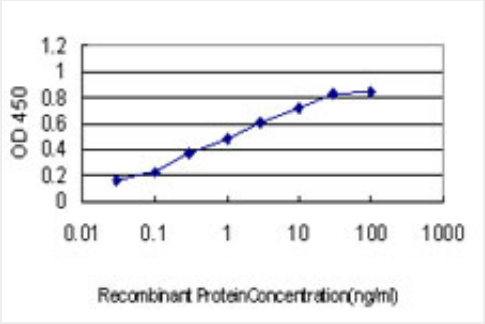
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

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.