10320 Camino Santa Fe, Suite G
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POLE2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant POLE2.

Catalog # AT3369a

Specification

POLE2 Antibody (monoclonal) (M01) - Product Information

Application	**WB**
Primary Accession	P56282
Other Accession	NM_002692
Reactivity	**Human, Mouse, Rat**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**59537**

POLE2 Antibody (monoclonal) (M01) - Additional Information

Gene ID 5427

Other Names
DNA polymerase epsilon subunit 2, DNA polymerase II subunit 2, DNA polymerase epsilon subunit B, POLE2, DPE2

Target/Specificity
POLE2 (NP_002683, 1 a.a. ~ 100 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
POLE2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

POLE2 Antibody (monoclonal) (M01) - Protocols

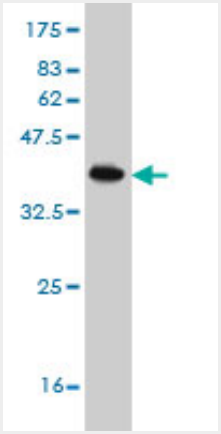
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot

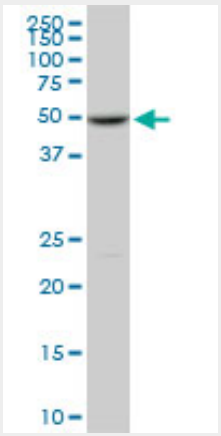
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- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

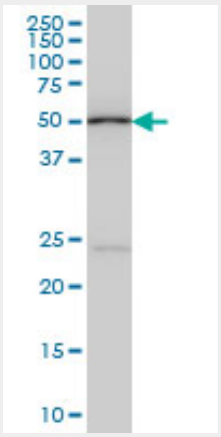
POLE2 Antibody (monoclonal) (M01) - Images



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

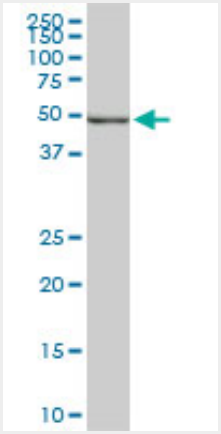


POLE2 monoclonal antibody (M01), clone 1A3. Western Blot analysis of POLE2 expression in PC-12 ((Cat # AT3369a)

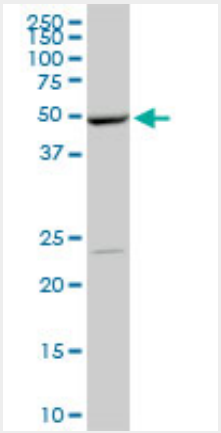


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POLE2 monoclonal antibody (M01), clone 1A3 Western Blot analysis of POLE2 expression in Hela S3 NE ((Cat # AT3369a)



POLE2 monoclonal antibody (M01), clone 1A3. Western Blot analysis of POLE2 expression in Raw 264.7 ((Cat # AT3369a)



POLE2 monoclonal antibody (M01), clone 1A3. Western Blot analysis of POLE2 expression in NIH/3T3 ((Cat # AT3369a)

POLE2 Antibody (monoclonal) (M01) - References

Mutations/polymorphisms in the 55 kDa subunit of DNA polymerase epsilon in human colorectal cancer. Zhou Q, et al. Cancer Genomics Proteomics, 2009 Nov-Dec. PMID 20065316.Genetic polymorphisms in 85 DNA repair genes and bladder cancer risk. Michiels S, et al. Carcinogenesis, 2009 May. PMID 19237606.The solution structure of the amino-terminal domain of human DNA polymerase epsilon subunit B is homologous to C-domains of AAA+ proteins. Nuutinen T, et al. Nucleic Acids Res, 2008 Sep. PMID 18676977.A human protein-protein interaction network: a resource for annotating the proteome. Stelzl U, et al. Cell, 2005 Sep 23. PMID 16169070.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.