

**POLE2 Antibody (monoclonal) (M01)****Mouse monoclonal antibody raised against a partial recombinant POLE2.****Catalog # AT3369a****Specification**

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**POLE2 Antibody (monoclonal) (M01) - Product Information**

|                   |                           |
|-------------------|---------------------------|
| Application       | WB                        |
| Primary Accession | <a href="#">P56282</a>    |
| Other Accession   | <a href="#">NM_002692</a> |
| 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.

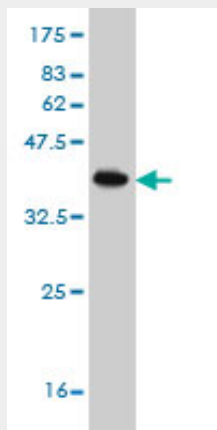
**POLE2 Antibody (monoclonal) (M01) - Protocols**

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

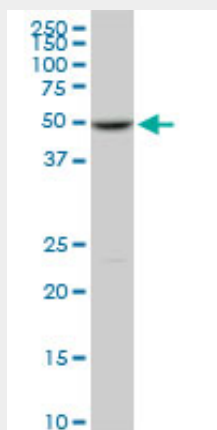
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

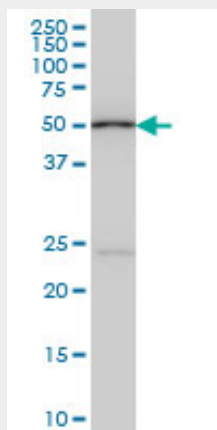
### POLE2 Antibody (monoclonal) (M01) - Images



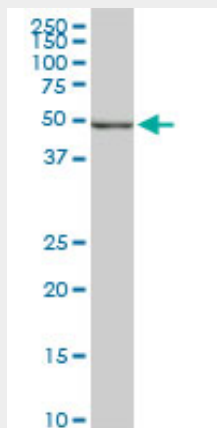
Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.74 kDa) .



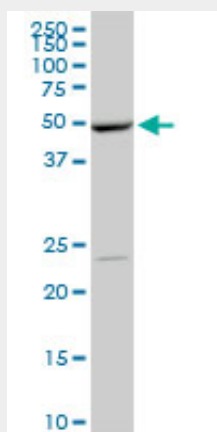
POLE2 monoclonal antibody (M01), clone 1A3. Western Blot analysis of POLE2 expression in PC-12 ( (Cat # AT3369a )



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.