

POLS Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a partial recombinant POLS.****Catalog # AT3380a****Specification**

POLS Antibody (monoclonal) (M01) - Product Information

Application	WB, E
Primary Accession	Q5XG87
Other Accession	NM_006999
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2b Kappa
Calculated MW	84650

POLS Antibody (monoclonal) (M01) - Additional Information**Gene ID** 11044**Other Names**

Non-canonical poly(A) RNA polymerase PAPD7, DNA polymerase sigma, LAK-1, PAP-associated domain-containing protein 7, TRAMP-like complex polyadenylate polymerase, Terminal uridylyltransferase 5, TUTase 5, Topoisomerase-related function protein 4-1, TRF4-1, PAPD7, POLS, TRF4

Target/Specificity

POLS (NP_008930, 2 a.a. ~ 110 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

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

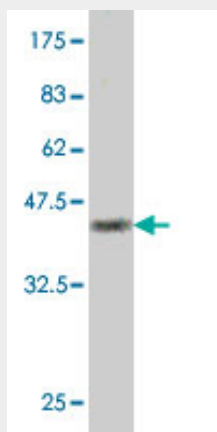
POLS Antibody (monoclonal) (M01) - Protocols

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

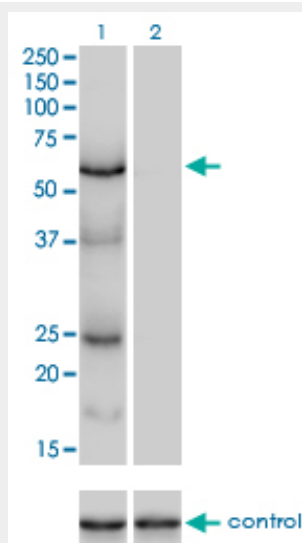
- [Western Blot](#)

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

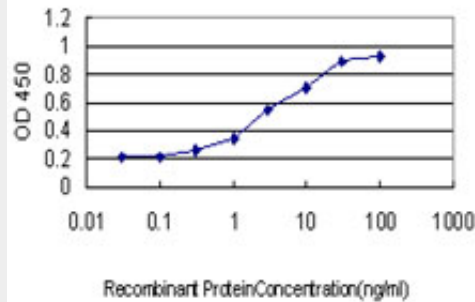
POLS Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (37.73 KDa) .



Western blot analysis of POLS over-expressed 293 cell line, cotransfected with POLS Validated Chimera RNAi (Cat # AT3380a)



Detection limit for recombinant GST tagged POLS is approximately 0.3ng/ml as a capture antibody.

POLS Antibody (monoclonal) (M01) - Background

The protein encoded by this gene is a DNA polymerase that is likely involved in DNA repair. In addition, the encoded protein may be required for sister chromatid adhesion. Alternatively spliced transcript variants that encode different isoforms have been described.

POLS Antibody (monoclonal) (M01) - References

A genome-wide study of common SNPs and CNVs in cognitive performance in the CANTAB. Need AC, et al. Hum Mol Genet, 2009 Dec 1. PMID 19734545. Coeliac disease-associated risk variants in TNFAIP3 and REL implicate altered NF-kappaB signalling. Trynka G, et al. Gut, 2009 Aug. PMID 19240061. Genome-wide association study of response to methylphenidate in 187 children with attention-deficit/hyperactivity disorder. Mick E, et al. Am J Med Genet B Neuropsychiatr Genet, 2008 Dec 5. PMID 18821564. A genome-wide scan maps a novel high myopia locus to 5p15. Lam CY, et al. Invest Ophthalmol Vis Sci, 2008 Sep. PMID 18421076. Discovery of genetic profiles impacting response to chemotherapy: application to gemcitabine. Jarjanazi H, et al. Hum Mutat, 2008 Apr. PMID 18330920.