

POLS Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant POLS.

Catalog # AT3380a

Product Information

Application	WB, E
Primary Accession	Q5XG87
Other Accession	NM_006999
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2b Kappa
Clone Names	2F8
Calculated MW	84650

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

Background

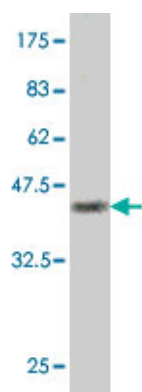
The protein encoded by this gene is a DNA polymerase that is likely involved in DNA repair. In addition, the encoded protein may be required for sister chromatid adhesion. Alternatively spliced transcript variants that encode different isoforms have been described.

References

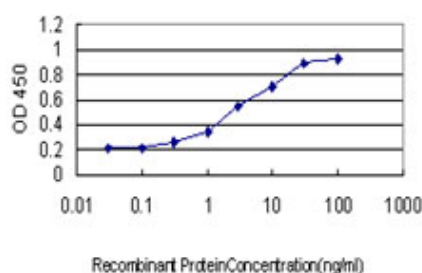
A genome-wide study of common SNPs and CNVs in cognitive performance in the CANTAB. Need AC, et al.

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.

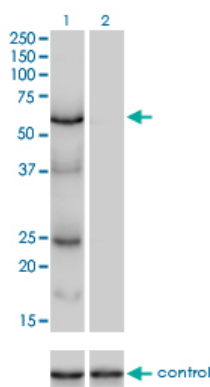
Images



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



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



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

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.