

POLR2D Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant POLR2D.

Catalog # AT3375a

Specification

POLR2D Antibody (monoclonal) (M01) - Product Information

Application	WB
Primary Accession	O15514
Other Accession	BC017205
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG1 kappa
Calculated MW	16311

POLR2D Antibody (monoclonal) (M01) - Additional Information

Gene ID 5433

Other Names

DNA-directed RNA polymerase II subunit RPB4, RNA polymerase II subunit B4, DNA-directed RNA polymerase II subunit D, RNA polymerase II 16 kDa subunit, RPB16, POLR2D

Target/Specificity

POLR2D (AAH17205, 1 a.a. ~ 142 a.a) full-length 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

POLR2D Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

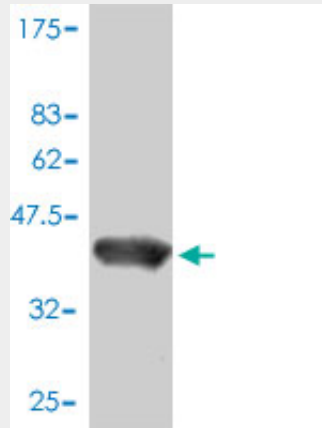
POLR2D Antibody (monoclonal) (M01) - Protocols

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

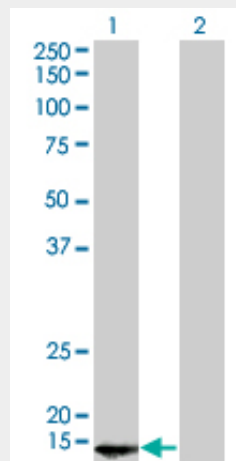
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)

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

POLR2D Antibody (monoclonal) (M01) - Images



Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (41.36 kDa) .



Western Blot analysis of POLR2D expression in transfected 293T cell line by POLR2D monoclonal antibody (M01), clone 1E4-A5.

Lane 1: POLR2D transfected lysate(16.3 kDa).

Lane 2: Non-transfected lysate.

POLR2D Antibody (monoclonal) (M01) - Background

This gene encodes the fourth largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. In yeast, this polymerase subunit is associated with the polymerase under suboptimal growth conditions and may have a stress protective role. A sequence for a ribosomal pseudogene is contained within the 3' untranslated region of the transcript from this gene.

POLR2D Antibody (monoclonal) (M01) - References

Genetic polymorphisms in 85 DNA repair genes and bladder cancer risk. Michiels S, et al. Carcinogenesis, 2009 May. PMID 19237606. Systematic analysis of the protein interaction network for the human transcription machinery reveals the identity of the 7SK capping enzyme. Jeronimo C, et al. Mol Cell, 2007 Jul 20. PMID 17643375. Will diverse Tat interactions lead to novel antiretroviral drug targets? Harrich D, et al. Curr Drug Targets, 2006 Dec. PMID 17168834. The regulation of HIV-1 transcription: molecular targets for chemotherapeutic intervention. Stevens M, et al. Med Res Rev, 2006 Sep. PMID 16838299. Inhibition of HIV-1 virus replication using small soluble Tat peptides. Agbottah E, et al. Virology, 2006 Feb 20. PMID 16289656.