

Rabbit POLR2D Polyclonal Antibody | anti-POLR2D antibody

POLR2D Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA287449	Rabbit	Human (Predicted Reactivity: Mouse)	ELISA, Western Blot

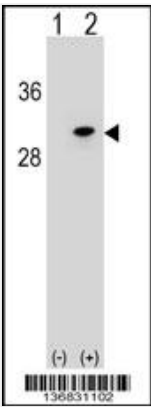
PRODUCT SYNONYMS

POLR2D; Polyclonal Antibody; POLR2D Antibody (Center); 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; anti-POLR2D antibody

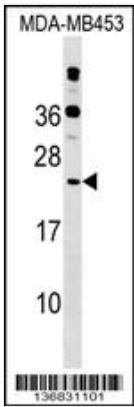
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This POLR2D antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 51-79 amino acids from the Central region of human POLR2D.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Concentration	Vial Concentration: 0.5 (varies by lot)
Sequence Positions	51-79
Sequence Length	142
Applicable Applications for anti-POLR2D antibody	ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	HUMAN
Preparation and Storage	Maintain refrigerated at 2-8 degree C for up to 6 months. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
Western blot analysis of POLR2D (arrow) using rabbit polyclonal POLR2D Antibody (Center). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the POLR2D gene.



WB (Western Blot)
POLR2D Antibody (Center) western blot analysis in MDA-MB453 cell line lysates (35ug/lane). This demonstrates the POLR2D antibody detected the POLR2D protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-POLR2D antibody	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.
References	Michiels, S., et al. Carcinogenesis 30(5):763-768(2009) Meka, H., et al. Nucleic Acids Res. 33(19):6435-6444(2005) Zhou, M., et al. Proc. Natl. Acad. Sci. U.S.A. 100(22):12666-12671(2003) Kaehlicke, K., et al. Mol. Cell 12(1):167-176(2003) Shilatifard, A., et al. Annu. Rev. Biochem. 72, 693-715 (2003) :

NCBI AND UNIPROT INFORMATION

NCBI GI #	4758574
NCBI GeneID	5433
NCBI Accession #	NP_004796.1
NCBI GenBank Nucleotide #	NM_004805.3
UniProt Accession #	O15514; Q52LT4
Molecular Weight	16311
NCBI Official Full Name	DNA-directed RNA polymerase II subunit RPB4
NCBI Official Synonym Full Names	polymerase (RNA) II (DNA directed) polypeptide D
NCBI Official Symbol	POLR2D
NCBI Official Synonym Symbols	RBP4; RPB16; HSRBP4; HSRPB4
NCBI Protein Information	DNA-directed RNA polymerase II subunit RPB4
UniProt Protein Name	DNA-directed RNA polymerase II subunit RPB4
UniProt Gene Name	POLR2D
UniProt Synonym Gene Names	RNA polymerase II subunit B4; RPB16

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/polyclonal/polr2d-antibody-western-blot-elisa/287449>