G-Biosciences Image not found or type unknown

Immunotag™ POLR2D Antibody

Antibody Specification

Catalog No.	ITA6744
Product Description	Immunotag™ POLR2D Antibody
Size	100 µg, 200 µg
Conjugation	HRP, Biotin, FITC, Alexa Fluor® 350, Alexa Fluor® 405, Alexa Fluor® 488, Alexa Fluor® 555, Alexa Fluor® 594, Alexa Fluor® 647
IMPORTANT NOTE	This product is custom manufactured with a lead time of 3-4 weeks. Once in production, this item cannot be cancelled from an order and is not eligible for return.
Target Protein	POLR2D
Clonality	Polyclonal
Storage/Stability	-20°C/1 year
Application	WB,IHC,ELISA
Recommended Dilution	WB 1:500-1:2000 IHC 1:50-1:200
Concentration	1 mg/ml
Reactive Species	Human,Mouse,Rat
Host Species	Rabbit
Immunogen	A synthesized peptide derived from human POLR2D
Specificity	POLR2D Antibody detects endogenous levels of total POLR2D
Purification	The antiserum was purified by peptide affinity chromatography.
Form	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.Store at -20 °C.Stable for 12 months from date of receipt
Gene Name	POLR2D
Accession No.	O15514
Alternate Names	DNA directed RNA polymerase II 16 kDa polypeptide; DNA directed RNA polymerase II subunit D; DNA directed RNA polymerase II subunit RPB4; DNA-directed RNA polymerase II 16 kDa polypeptide; DNA-directed RNA polymerase II subunit D; DNA-directed RNA polymerase II subunit rpb4; HSRBP4; HSRPB4; polr2d; polymerase RNA II DNA directed polypeptide D; RBP4; RNA polymerase II 16 kDa subunit; RNA polymerase II subunit B4; RNA polymerase II subunit D; RNA polymerase II subunit hsRBP4; RPB16; RPB4_HUMAN;

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Description	DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Component of RNA polymerase II which synthesizes mRNA precursors and many functional non-coding RNAs. Pol II is the central component of the basal RNA polymerase II transcription machinery. It is composed of mobile elements that move relative to each other. RPB4 is part of a subcomplex with RPB7 that binds to a pocket formed by RPB1, RPB2 and RPB6 at the base of the clamp element. The RBP4-RPB7 subcomplex seems to lock the clamp via RPB7 in the closed conformation thus preventing double-stranded DNA to enter the active site cleft. The RPB4-RPB7 subcomplex binds single-stranded DNA and RNA (By similarity).
Cell Pathway/ Category	Primary Polyclonal Antibody
Protein MW	16kDa
Usage	For Research Use Only! Not for diagnostic or therapeutic procedures.