

[Go to Product page](#)

Datasheet for ABIN5563983

Recombinant anti-POLR2F antibody

Overview

Quantity:	100 µg
Target:	POLR2F
Reactivity:	Human
Host:	Mouse
Antibody Type:	Recombinant Antibody
Clonality:	Monoclonal
Application:	Western Blotting (WB), Immunofluorescence (IF), Chromatin Immunoprecipitation (ChIP), ChIP DNA-Sequencing (ChIP-seq)

Product Details

Brand:	AbFlex®
Isotype:	IgG2a
Characteristics:	<p>AbFlex™ RNA Pol II antibody was expressed as full-length IgG with mouse immunoglobulin heavy and light chains (IgG2a isotype) in mammalian 293 cells. RNA pol II (RNA polymerase II) is responsible for synthesizing messenger RNA in eukaryotes. RNA pol II contains a carboxy terminal domain composed of heptapeptide repeats that are essential for polymerase activity. These repeats contain serine and threonine residues that are phosphorylated in actively transcribing RNA polymerase. In addition, RNA pol II, in combination with several other polymerase subunits, form the DNA binding domain of the polymerase, a groove in which the DNA template is transcribed into RNA.</p>
Purification:	Protein A

Target Details

Target:	POLR2F
Alternative Name:	RNA Pol II (POLR2F Products)
Molecular Weight:	217 kDa
Pathways:	Regulatory RNA Pathways

Application Details

Application Notes:	ChIP-Seq: 4 µg per ChIP Western Blot: 0.1 - 1 µg/mL Immunofluorescence (IF): 2 µg/mL.
Comment:	<p>AbFlex® Recombinant Antibodies defined antibodies for highly specific, reproducible performance.</p> <p>AbFlex® antibodies are recombinant antibodies (rAbs) that have been generated using defined DNA sequences to produce highly specific, reproducible antibodies. The unique advantages of the AbFlex® antibody are its flexible labeling and purification options. Each AbFlex® antibody contains a Sortase recognition motif (LPXTG) to covalently add fluorophores, enzymatic substrates (HRP, AP...etc), peptides, DNA, drugs or other labels to the antibody in a directed and reproducible manner using our Sortag-IT Labeling Kits. Every antibody also contains a 6xHis tag, which can be used with nickel-based purification systems, and an avidin tag sequence for enzymatic biotin conjugation using the biotin ligase, BirA.</p> <p>AbFlex® antibodies are specifically labeled at the end of the constant region of the heavy chain to avoid interference with antigen recognition and functionality. This is important as it ensures the labeling process maintains the integrity of the antibody so signal is not diminished as a result of non-functional antibodies. In contrast, commonly used chemical labeling methods add labels to the antibody in a random fashion. The randomness of this process has a high potential to block the antigen-binding site and render the antibody ineffective. Chemical labeling can also deposit labels on the Fc region of the antibody which has the potential to obstruct interactions with protein A.</p>
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	Purified IgG in 140 mM Hepes, pH 7.5, 70 mM NaCl, 35 mM NaOAc, 0.035 % sodium azide, 30 % glycerol.

Handling

Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C