

Product datasheet for **BM5528**

POLR2A (794-822) Mouse Monoclonal Antibody [Clone ID: ARNA-3]

Product data:

Product Type:	Primary Antibodies
Clone Name:	ARNA-3
Applications:	IF, IHC, WB
Recommended Dilution:	Immunoblotting (Western blot). Immunohistochemistry (1/100). Suitable for Cell Culture and Frozen Tissue. <i>Recommended Fixation conditions for Cells</i> Incubate in 2% paraformaldehyde in PBS for 10 min, wash in PBS for 5 min, incubate in 0.2% Triton X-100 in PBS for 5 min, wash in PBS for 5 min. <i>Incubation time:</i> 1 h at RT for Immunohistochemistry.
Reactivity:	Drosophila, Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified RNA polymerase II.
Specificity:	ARNA-3 is excellent for detection of transcription activity, e.g. puffs in polytene chromosomes. Reacts with RNA polymerase II (Mr 175,000 subunit of RNAP II) in biological materials. Reactive polypeptides after SDS-PAGE: 200 kD band of nonphosphorylated and 240 kD band of phosphorylated Pol IIA. Cultured Cell Lines: Reacts with Drosophila chromosomes, PTK-2, HeLa, Hep2. Epitope Recognized: ⁷⁹⁴ DDYGPE SRGFVENS YLA ⁸²² .
Formulation:	State: Supernatant State: Culture Supernatant Concentrate Preservative: 0.09% Sodium Azide
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.
Gene Name:	polymerase (RNA) II subunit A



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Database Link: [Entrez Gene 5430 Human P24928](#)

Background: This gene encodes the fifth largest subunit of RNA polymerase II, the polymerase responsible for synthesizing messenger RNA in eukaryotes. This subunit is shared by the other two DNA-directed RNA polymerases and is present in two-fold molar excess over the other polymerase subunits. An interaction between this subunit and a hepatitis virus transactivating protein has been demonstrated, suggesting that interaction between transcriptional activators and the polymerase can occur through this subunit. A pseudogene is located on chromosome 11. [provided by RefSeq]

Synonyms: RNA polymerase II, RNA polymerase II subunit B1, POLR2, POLRA, RPOL2, RPB1, RPB220

Protein Pathways: Huntington's disease, Metabolic pathways, Purine metabolism, Pyrimidine metabolism, RNA polymerase