



## Mab to RNA Polymerase II

<b>Clone Determination</b>	ARNA-3
<b>Category</b>	Mouse monoclonal
<b>Immunoglobulin Class</b>	IgG <sub>1</sub>
<b>Purification/Form</b>	Culture supernatant concentrate
<b>Antigen</b>	Purified RNA polymerase II
<b>Specificity/Application</b>	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. Epitope recognized: <sup>794</sup> DDYGPESESRGFVENSYLA <sup>822</sup>
<b>Antigen Recognized in Species (tested so far)</b>	Human, insects
<b>Reactivities on Cultured Cell Lines (tested so far)</b>	Drosophila chromosomes, PTK-2, HeLa, Hep2
<b>Application</b>	Suitable for - frozen tissue - cell culture - immunoblotting (Western)
<b>Working Dilution</b>	1:100 for immunohistochemical applications (recommended fixation conditions for cells: 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)
<b>Incubation Time</b>	1 h at RT for immunohistochemistry
<b>Storage</b>	At 2-8°C
<b>Quantity</b>	100 µl (contains 0.09% NaN <sub>3</sub> )

### Literature

Krämer, A., Haars, R., Kabisch, R., Will, H., Bautz, F.A. and Bautz, E.K.F.: Monoclonal antibody directed against RNA polymerase II of drosophila melanogaster. *Molec. gen. Genet.* 180, 193-199 (1980)

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Kontermann RE, Liu Z, Schulze RA, Sommer KA, Queitsch I, Duebel S, Kipriyanov SM, Breitling F, Bautz EK: Characterization of the epitope recognized by a monoclonal antibody directed against the largest subunit of Drosophila RNA polymerase II. *Biol Chem Hoppe Seyler* 376, 473-481 (1995).

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