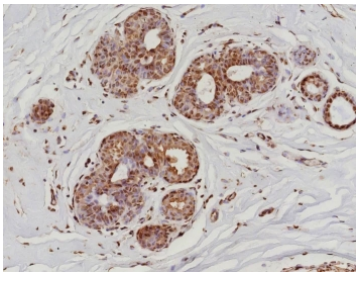
Recombinant Phospho-RNA Polymerase II CTD Repeat YSPTSPS Antibody / pS5 [clone POLR2A/9089R] (V5521)

Catalog No.	Formulation	Size
V5521-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5521-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5521SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

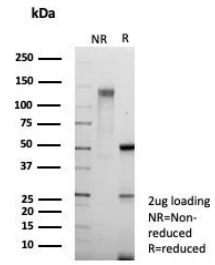
Recombinant RABBIT MONOCLONAL

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	POLR2A/9089R
Purity	Protein A/G affinity
UniProt	P24928
Localization	Nucleus
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This recombinant Phospho-RNA Polymerase II CTD Repeat YSPTSPS antibody is available for research use only.



IHC staining of FFPE human breast cancer tissue with recombinant Phospho-RNA Polymerase II CTD Repeat YSPTSPS antibody (clone POLR2A/9089R). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant Phospho-RNA Polymerase II CTD Repeat YSPTSPS antibody (POLR2A/9089R) as confirmation of integrity and purity.

Description

RNA polymerase II (Pol II) is an enzyme that is composed of 12 subunits and is responsible for the transcription of protein-coding genes. Transcription initiation requires Pol II-mediated recruitment of transcription machinery to a target promoter, thereby allowing transcription to begin. The largest subunit of Pol II (referred to as RPB1 or RPB205) is a 1,840 amino acid protein that contains one C2H2-type zinc finger and a C-terminal domain comprised of several heptapeptide repeats. Although Pol II function requires the cooperation of all twelve subunits, the largest subunit conveys Pol II catalytic activity and, together with the second largest subunit, forms the active center of the Pol II enzyme. Additionally, the large subunit participates in forming the DNA-binding domain of Pol II, a groove that is necessary for transcription of the DNA template. Without proper function of the large subunit, mRNA synthesis and subsequent transcription elongation cannot occur.

Application Notes

Optimal dilution of the recombinant Phospho-RNA Polymerase II CTD Repeat YSPTSPS antibody should be determined by the researcher.

Immunogen

Ten repeats of synthetic peptide YSPTSPS with phosphorylated serine 5 was used as the immunogen for the recombinant Phospho-RNA Polymerase II CTD Repeat YSPTSPS antibody.

Storage

Aliquot the recombinant Phospho-RNA Polymerase II CTD Repeat YSPTSPS antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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