

DNA-directed RNA polymerase II 33 kDa polypeptide, Antibody



EC 2.7.7.6, RPB3, RNA polymerase II subunit 3, RPB33, RPB31

Catalog Number: 15-288-22273F

SwissProt Accession #: P19387

RPB3_HUMAN

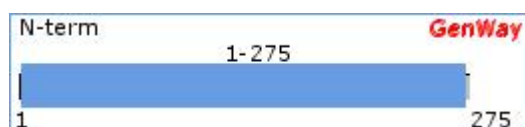
NCBI Accession #: NP_116558.1

GI #: 14702171

Immunogen Sequence Position: 1-275

Length (aa): 275

Mol. Weight (Da): 31441



Linear Protein Map with Immunogenic Epitope Marked (sequence source from above GI#)

Source: Chicken

Purity: Immunoaffinity Purified

Clonality: Polyclonal

Crossreactivity: Human, mouse, rat (Based on protein sequence homology)

Format: Phosphate-Buffered Saline. No preservatives added.

Storage: 4°C for short term (weeks) and -20°C for long term. Avoid frequent freeze and thaw.

Stability: 6-12 months at -20°C.

Shipping: Products may be shipped on ice pack.

Precautions: This product is for *in vitro* research use only. Not for use in diagnostic or therapeutic procedures.

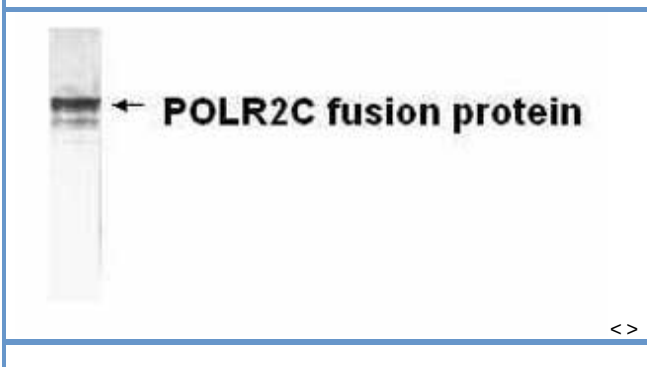
Important Notes: During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

APPLICATIONS:

Western Blot	Tested
ELISA, ICC, IHC	Not Tested

TESTING: (secondary reagents and protocols)

Western Blot: Western blot detection of E coli-derived POLR2C fusion protein. IgY dilutions: 1:2000, goat anti-IgY Fc-HRP: 1:1000, colorimetric method for signal development.



TARGET DESCRIPTION:

FUNCTION: DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates.

CATALYTIC ACTIVITY: Nucleoside triphosphate + RNA(n) = diphosphate + RNA(n+1).

SUBUNIT: RNA polymerase II consists of 12 different subunits. POLR2J and POLR2C subunits interact with each other.

SIMILARITY: Belongs to the archaeal rpoD/eukaryotic RPB3 RNA polymerase subunit family.

OMIM: 180663; gene. [NCBI / EBI]

CATEGORIES RELATED TO TARGET PROTEIN:

PROTEIN FUNCTIONS: Rna Polymerase, Protein Biosynthesis

DISEASES: Neoplasm

BACKGROUND REFERENCES:

- [1] Zhou, M., et al. The Tat/TAR-dependent phosphorylation of...
- [2] De Angelis, R., et al. Functional interaction of the subunit 3...
- [3] Kaehlcke, K., et al. Acetylation of Tat defines a cyclinT1-in...
- [4] Poon, B. and Chen, I.S. Human immunodeficiency virus type 1 (HIV...
- [5] Hogan, T.H., et al. HIV-1 Vpr binding to HIV-1 LTR C/EBP cis...

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