

RPAP2 Polyclonal Antibody
Catalog # AP72355**Specification**

RPAP2 Polyclonal Antibody - Product Information

Application	WB
Primary Accession	Q8IXW5
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

RPAP2 Polyclonal Antibody - Additional Information**Gene ID** 79871**Other Names**

RPAP2; C1orf82; Putative RNA polymerase II subunit B1 CTD phosphatase RPAP2; RNA polymerase II-associated protein 2

Dilution

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. Not yet tested in other applications.

Format

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

Storage Conditions

-20°C

RPAP2 Polyclonal Antibody - Protein Information**Name** RPAP2**Synonyms** C1orf82**Function**

Protein phosphatase that displays CTD phosphatase activity and regulates transcription of snRNA genes. Recognizes and binds phosphorylated 'Ser-7' of the C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit POLR2A, and mediates dephosphorylation of 'Ser-5' of the CTD, thereby promoting transcription of snRNA genes (PubMed:17643375, PubMed:22137580, PubMed:24997600). Downstream of EIF2AK3/PERK, dephosphorylates ERN1, a sensor for the endoplasmic reticulum unfolded protein response (UPR), to abort failed ER-stress adaptation and trigger apoptosis (PubMed:30118681).

Cellular Location

Cytoplasm. Nucleus. Note=Shuttles between the cytoplasm and the nucleus in a CRM1-dependent

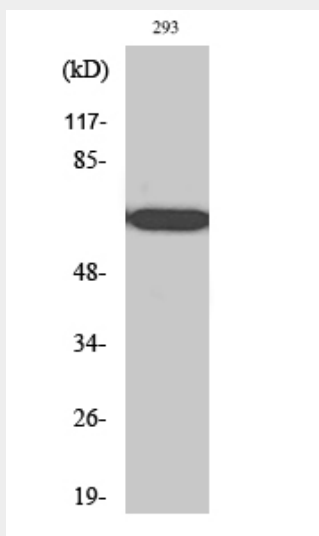
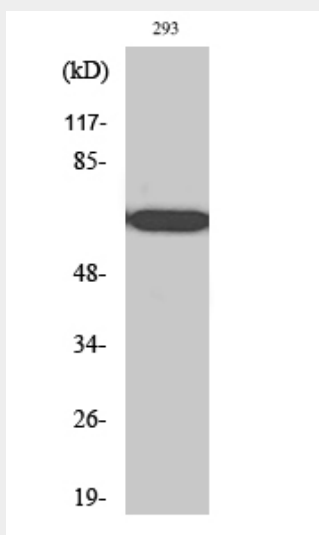
manner

RPAP2 Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

RPAP2 Polyclonal Antibody - Images



RPAP2 Polyclonal Antibody - Background

Protein phosphatase that displays CTD phosphatase activity and regulates transcription of snRNA genes. Recognizes and binds phosphorylated 'Ser-7' of the C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit POLR2A, and mediates dephosphorylation of 'Ser-5' of the CTD, thereby promoting transcription of snRNA genes.