

RPC8 Antibody

Catalog No: #34656

Package Size: #34656-1 50ul #34656-2 100ul

Orders: order@signalwayantibody.comSupport: tech@signalwayantibody.com

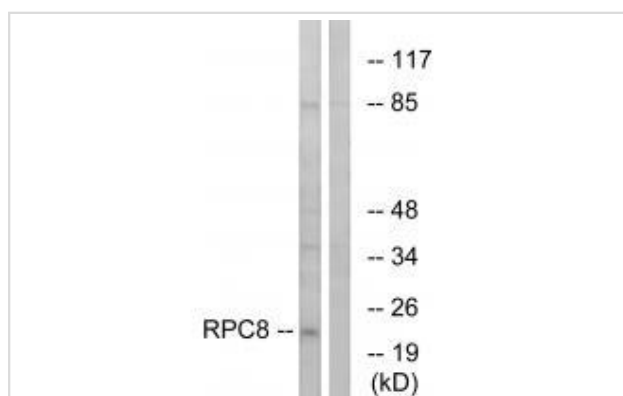
Description

Product Name	RPC8 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Applications	WB
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous levels of total RPC8 protein.
Immunogen Type	Peptide
Immunogen Description	Synthesized peptide derived from internal of human RPC8.
Target Name	RPC8
Other Names	DNA-directed RNA polymerase III subunit RPC8; RNA polymerase III subunit C8; DNA-directed RNA polymerase III subunit H; DNA-directed RNA polymerase III subunit 22.9 kDa polypeptide; POLR3H
Accession No.	Swiss-Prot: Q9Y535NCBI Gene ID: 171568
Uniprot	Q9Y535
GeneID	171568;
SDS-PAGE MW	23kd
Concentration	1.0mg/ml
Formulation	Rabbit IgG in phosphate buffered saline (without Mg ²⁺ and Ca ²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

Application Details

Western blotting: 1:500~1:3000

Images



Western blot analysis of extracts from K562 cells, using RPC8 antibody #34656.

Background

DNA-dependent RNA polymerase catalyzes the transcription of DNA into RNA using the four ribonucleoside triphosphates as substrates. Specific peripheric component of RNA polymerase III which synthesizes small RNAs, such as 5S rRNA and tRNAs. Plays a key role in sensing and limiting infection by intracellular bacteria and DNA viruses. Acts as nuclear and cytosolic DNA sensor involved in innate immune response. Can sense non-self dsDNA that serves as template for transcription into dsRNA. The non-self RNA polymerase III transcripts, such as Epstein-Barr virus-encoded RNAs (EBERs) induce type I interferon and NF- Kappa-B through the RIG-I pathway By similarity.

Hu P., Mol. Cell. Biol. 22:8044-8055(2002).

Hirosawa M., DNA Res. 8:1-9(2001).

Collins J.E., Genome Biol. 5:RESEARCH84.1-RESEARCH84.11(2004).

Note: This product is for in vitro research use only