

RPC4 Antibody

Catalog No: #34655

Package Size: #34655-1 50ul #34655-2 100ul

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

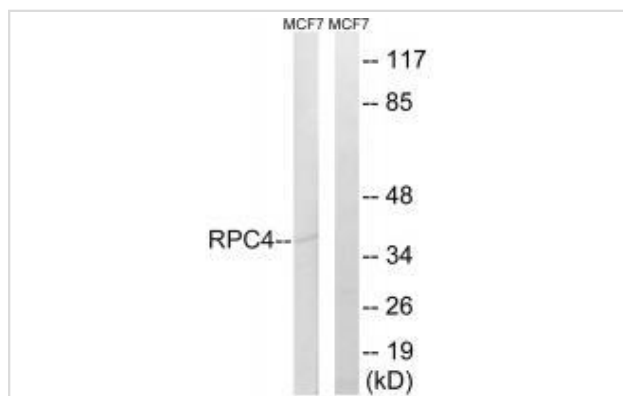
Description

| | |
|-----------------------|---|
| Product Name | RPC4 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 |
| Specificity | The antibody detects endogenous levels of total RPC4 protein. |
| Immunogen Type | Peptide |
| Immunogen Description | Synthesized peptide derived from internal of human RPC4. |
| Target Name | RPC4 |
| Other Names | DNA-directed RNA polymerase III subunit RPC4; RNA polymerase III subunit C4; DNA-directed RNA polymerase III subunit D; DNA-directed RNA polymerase III 47 kDa polypeptide; RPC53 |
| Accession No. | Swiss-Prot: P05423NCBI Gene ID: 661 |
| Uniprot | P05423 |
| GeneID | 661; |
| SDS-PAGE MW | 38kd |
| 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 MCF-7 cells, using
RPC4 antibody #34655.

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.

Ittmann M., Mol. Cell. Biol. 7:3386-3393(1987).

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

Kalnine N., Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.

Note: This product is for in vitro research use only