

**RFC4 Antibody (Center) Blocking Peptide**  
**Synthetic peptide**  
**Catalog # BP2958c****Specification**

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**RFC4 Antibody (Center) Blocking Peptide - Product Information**Primary Accession [P35249](#)**RFC4 Antibody (Center) Blocking Peptide - Additional Information****Gene ID** 5984**Other Names**

Replication factor C subunit 4, Activator 1 37 kDa subunit, A1 37 kDa subunit, Activator 1 subunit 4, Replication factor C 37 kDa subunit, RF-C 37 kDa subunit, RFC37, RFC4

**Target/Specificity**

The synthetic peptide sequence used to generate the antibody [AP2958c](/products/AP2958c) was selected from the Center region of human RFC4. A 10 to 100 fold molar excess to antibody is recommended. Precise conditions should be optimized for a particular assay.

**Format**

Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

**Storage**

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

**Precautions**

This product is for research use only. Not for use in diagnostic or therapeutic procedures.

**RFC4 Antibody (Center) Blocking Peptide - Protein Information****Name** RFC4**Function**

The elongation of primed DNA templates by DNA polymerase delta and epsilon requires the action of the accessory proteins proliferating cell nuclear antigen (PCNA) and activator 1. This subunit may be involved in the elongation of the multiprimed DNA template.

**Cellular Location**

Nucleus.

**RFC4 Antibody (Center) Blocking Peptide - Protocols**

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

- [Blocking Peptides](#)

#### **RFC4 Antibody (Center) Blocking Peptide - Images**

#### **RFC4 Antibody (Center) Blocking Peptide - Background**

The elongation of primed DNA templates by DNA polymerase delta and DNA polymerase epsilon requires the accessory proteins proliferating cell nuclear antigen (PCNA) and replication factor C (RFC). RFC, also named activator 1, is a protein complex consisting of five distinct subunits of 140, 40, 38, 37, and 36 kD. RFC4 is the 37 kD subunit. This subunit forms a core complex with the 36 and 40 kDa subunits. The core complex possesses DNA-dependent ATPase activity, which was found to be stimulated by PCNA in an in vitro system.

#### **RFC4 Antibody (Center) Blocking Peptide - References**

Uhlmann,F., et.al., Proc. Natl. Acad. Sci. U.S.A. 93 (13), 6521-6526 (1996)Chen,M., et.al., Proc. Natl. Acad. Sci. U.S.A. 89 (12), 5211-5215 (1992)