

RFC5 Antibody (Center R185) Blocking Peptide
Synthetic peptide
Catalog # BP2812c**Specification**

RFC5 Antibody (Center R185) Blocking Peptide - Product InformationPrimary Accession [P40937](#)**RFC5 Antibody (Center R185) Blocking Peptide - Additional Information****Gene ID** 5985**Other Names**

Replication factor C subunit 5, Activator 1 36 kDa subunit, A1 36 kDa subunit, Activator 1 subunit 5, Replication factor C 36 kDa subunit, RF-C 36 kDa subunit, RFC36, RFC5

Target/Specificity

The synthetic peptide sequence used to generate the antibody [AP2812c](/products/AP2812c) was selected from the Center region of human RFC5. 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.

RFC5 Antibody (Center R185) Blocking Peptide - Protein Information**Name** RFC5**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.

Cellular Location

Nucleus.

RFC5 Antibody (Center R185) Blocking Peptide - Protocols

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

- [Blocking Peptides](#)

RFC5 Antibody (Center R185) Blocking Peptide - Images

RFC5 Antibody (Center R185) 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. RFC5 is the 36 kD subunit. This subunit can interact with the C-terminal region of PCNA. It forms a core complex with the 38 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.

RFC5 Antibody (Center R185) Blocking Peptide - References

Stelzl,U., Cell 122 (6), 957-968 (2005) Andersen,J.S., Nature 433 (7021), 77-83 (2005)