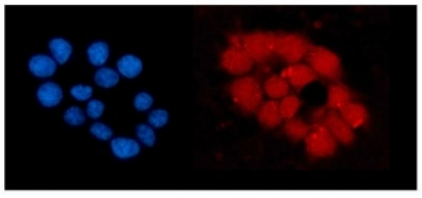
# ORC5L Antibody (RQ6504)

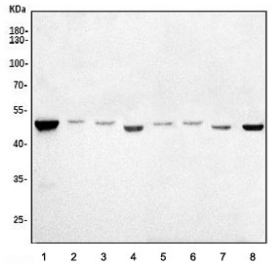
| Catalog No. | Formulation | Size |
|---|---|---|
| RQ6504 | 0.5mg/ml if reconstituted with 0.2ml sterile DI water | 100 ug |

**Bulk quote request**

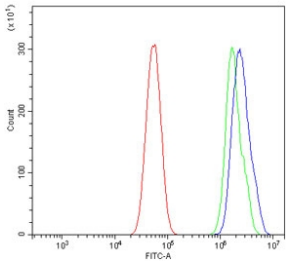
| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human, Mouse, Rat, Monkey |
| **Format** | Antigen affinity purified |
| **Host** | Rabbit |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Affinity purified |
| **Buffer** | Lyophilized from 1X PBS with 2% Trehalose |
| **UniProt** | O43913 |
| **Localization** | Nuclear |
| **Applications** | Western blot: 1-2ug/ml<br>Immunofluorescence: 5ug/ml<br>Flow cytometry: 1-3ug/million cells |
| **Limitations** | This ORC5L antibody is available for research use only. |



Immunofluorescent staining of FFPE human MCF-7 cells with ORC5L antibody (red) and DAPI nuclear stain (blue). HIER: steam section in pH6 citrate buffer for 20 min.




Western blot testing of 1) monkey COS-7, 2) human placenta, 3) human K562, 4) human MCF-7, 5) rat testis, 6) rat kidney, 7) mouse ovary and 8) mouse testis lysate with ORC5L antibody. Predicted molecular weight ~50 kDa (isoform 1), ~37 kDa (isoform 2).




Flow cytometry testing of human U-87 MG cells with ORC5L antibody at 1ug/million cells (blocked with goat sera); Red=cells alone, Green=isotype control, Blue= ORC5L antibody.

## Description

Origin recognition complex subunit 5 is a protein that in humans is encoded by the ORC5 (ORC5L) gene. The origin recognition complex (ORC) is a highly conserved six subunit protein complex essential for the initiation of the DNA replication in eukaryotic cells. Studies in yeast demonstrated that ORC binds specifically to origins of replication and serves as a platform for the assembly of additional initiation factors such as Cdc6 and Mcm proteins. The protein encoded by this gene is a subunit of the ORC complex. Alternatively spliced transcript variants encoding distinct isoforms have been described.

## Application Notes

Optimal dilution of the ORC5L antibody should be determined by the researcher.

## Immunogen

Amino acids HDHPPEYSADFYAAYINI from the human protein were used as the immunogen for the ORC5L antibody.

## Storage

After reconstitution, the ORC5L antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

Ordering: Phone: 858.663.9055 | Fax: 1.267.821.0800 | Email: info@nsjbio.com
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