

For Research Use Only

RFC3 Monoclonal antibody

Catalog Number: 68290-1-Ig



Basic Information

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|---|---|---|
| Catalog Number: 68290-1-Ig | GenBank Accession Number: BC000149 | Purification Method: Protein G purification |
| Size: 1000 µg/ml | GeneID (NCBI): 5983 | CloneNo.: 2G3A8 |
| Source: Mouse | UNIPROT ID: P40938 | Recommended Dilutions: WB 1:5000-1:50000 |
| Isotype: IgG1 | Full Name: replication factor C (activator 1) 3, 38kDa | |
| Immunogen Catalog Number: AG28365 | Calculated MW: 40 aa, 6 kDa | |
| | Observed MW: 38 kDa | |

Applications

Tested Applications:
WB, ELISA

Species Specificity:
Human, Mouse, Rat

Positive Controls:

WB: LNCaP cells, HSC-T6 cells, NIH/3T3 cells, HeLa cells, HEK-293 cells, HepG2 cells, Jurkat cells, K-562 cells

Background Information

RFC3, also known as RFC38, is a 356 amino acid protein, which localizes in the nucleus. Replication factor C (RFC) is a component of the eukaryotic DNA polymerase. In all eukaryotic cell cycles, it is essential for DNA duplication, DNA injury repair, and checkpoint control. RFC consists of five subunits (RFC1-5). The interrelationships between RFC2, RFC3, and the c-MYC oncogene (transcription factor) can induce cell division and proliferation. RFC3 is associated with liver, breast, esophageal and ovarian cancer, and serves a critical role in cellular proliferation, invasion, and metastasis. RFC3 exists in two isoforms with molecular weights of 34 kDa and 38-40 kDa.

Storage

Storage:
Store at -20°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

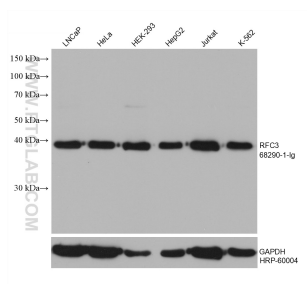
T: 4006900926

E: Proteintech-CN@ptglab.com

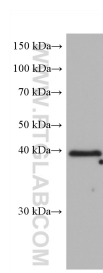
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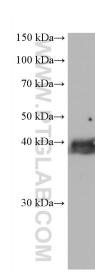
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68290-1-Ig (RFC3 antibody) at dilution of 1:10000 and incubated at room temperature for 1.5 hours. The membrane was stripped and reblotted with HRP-conjugated GAPDH Monoclonal antibody (HRP-60004) as loading control.



NIH/3T3 cells were subjected to SDS PAGE followed by western blot with 68290-1-Ig (RFC3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.



HSC-T6 cells were subjected to SDS PAGE followed by western blot with 68290-1-Ig (RFC3 antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours.