

ORC3 polyclonal antibody

Catalog: BS61495

Host: Rabbit

Reactivity: Human, Mouse, Rat

Background:

The initiation of DNA replication is a multi-step process that depends on the formation of pre-replication complexes, which trigger initiation. Among the proteins required for establishing these complexes are the origin recognition complex (ORC) proteins. ORC proteins bind specifically to origins of replication where they serve as scaffold for the assembly of additional initiation factors. Human ORC subunits 1-6 are expressed in the nucleus of proliferating cells and tissues, such as the testis. ORC1 and ORC2 are both expressed at equivalent concentrations throughout the cell cycle; however, only ORC2 remains stably bound to chromatin. ORC4 and ORC6 are also expressed constantly throughout the cell cycle. ORC2, ORC3, ORC4 and ORC5 form a core complex upon which ORC6 and ORC1 assemble. The formation of this core complex suggests that ORC proteins play a crucial role in the G1-S transition in mammalian cells.

Product:

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

Molecular Weight:

~ 65 kDa

Swiss-Prot:

Q9UBD5

Purification&Purity:

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

Applications:

WB: 1:500~1:1000

IHC: 1:50~1:200

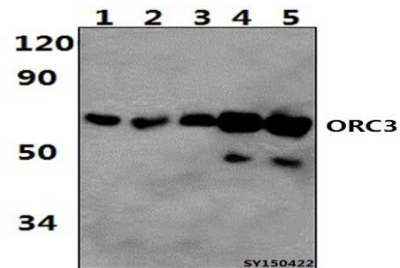
Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

ORC3 polyclonal antibody detects endogenous levels of ORC3 protein.

DATA:



Western blot (WB) analysis of ORC3 polyclonal antibody at 1:1000 dilution

Lane1:HEK293T whole cell lysate (56.7µg)

Lane2:HELA whole cell lysate (51.3µg)

Lane3:A549 whole cell lysate (57.6µg)

Lane4:H9C2 whole cell lysate(56.1µg)

Lane5:Raw264.7 whole cell lysate (51µg)

Note:

For research use only, not for use in diagnostic procedure.

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