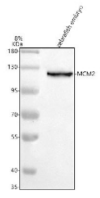
Zebrafish Mcm2 Antibody (RZ1115)

Catalog No.	Formulation	Size
RZ1115	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	2-3 weeks
Species Reactivity	Zebrafish
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit Ig
Purity	Antigen affinity chromatography
Buffer	Lyophilized from 1X PBS with 2% Trehalose
UniProt	A0A0R4IF65
Applications	Western Blot : 0.5-1 ug/ml
Limitations	This Zebrafish Mcm2 antibody is available for research use only.



Western blot analysis of Mcm2 protein using Mcm2 antibody and zebrafish embryo tissue lysate. The predicted molecular weight of MCM2 is ~102 kDa, commonly observed at 100-130 kDa (human similarity).

Description

MCM2 (MINICHROMOSOME MAINTENANCE, S. CEREVISIAE, HOMOLOG OF, 2), also known as MITOTIN, CDCL1 or BM28, is a human nuclear protein that plays an important role in 2 crucial steps of the cell cycle, namely, onset of DNA replication and cell division. And it is similar to members of the family of early S-phase proteins. The MCM2 gene is mapped to 3q21.3. The hexameric protein complex formed by MCM proteins is a key component of the pre-replication complex (pre-RC) and may be involved in the formation of replication forks and in the recruitment of other DNA replication related proteins. In the G0 stage, the MCM2 and MCM5 proteins were much less abundant than the MCM7 and MCM3 proteins, which suggests that the MCM proteins are not present in stoichiometric amounts and that only a proportion of these molecules actively participate in cell cycle regulation as part of MCM complexes.

Application Notes

Optimal dilution of the Zebrafish Mcm2 antibody should be determined by the researcher.

Immunogen

An E.coli-derived zebrafish Mcm2 recombinant protein (amino acids A381-R835) was used as the immunogen for the Zebrafish Mcm2 antibody.

Storage

After reconstitution, the Zebrafish Mcm2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.