CoraLite®555-conjugated CDC6 Monoclonal antibody

Catalog Number:CL555-66021

Basic Information

Catalog Number:
CL555-66021

Size:
1000 μg/ml

Source:
Mouse

Isotype:
IgG1

Immunogen Catalog Number:
AG17958

GenBank Accession Number:
BC025232

GeneID (NCBI):
990

UNIPROT ID:
Q99741

Full Name:
cell division cycle 6 homolog (S. cerevisiae)

Calculated MW:
560 aa, 63 kDa

Observed MW:
65 kDa

Purification Method:
Protein G purification

CloneNo.:
6F12D2

Excitation/Emission maxima wavelengths:
557 nm / 570 nm

Applications

Tested Applications:

Species Specificity:
human, mouse, rat

Background Information

CDC6, also named as CDC18L and HsCDC18, belongs to the CDC6/cdc18 family. It is involved in the initiation of DNA replication and functions as a regulator at the early steps of DNA replication. It also participates in checkpoint controls that ensure DNA replication is completed before mitosis is initiated. It localizes in cell nucleus during cell cyle G1, but translocates to the cytoplasm at the start of S phase. The subcellular translocation of this protein during cell cyle is regulated through its phosphorylation by Cdks. Defects in CDC6 are the cause of Meier-Gorlin syndrome type 5 (MGORS5). MGORS5 is a syndrome characterized by bilateral microtia, aplasia/hypoplasia of the patellae, and severe intrauterine and postnatal growth retardation with short stature and poor weight gain. This antibody is a mouse monoclonal antibody raised against residues near the C terminus of human CDC6.

Storage

Storage:
Store at -20℃. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

Selected Validation Data