
Fibrillarin Antibody

Subcategory: Mouse Monoclonal Antibody

Cat. No.: 253136

Unit: 0.1 ml

Description:

Fibrillarin is a nucleolar protein involved in the processing of pre-18S ribosomal RNA. Nop1p is the yeast homologue of a protein found in all eukaryotes and archaea generally called fibrillarin. Fibrillarin/Nop1p is extraordinarily conserved, so that the yeast and human proteins are 67% identical, and the human protein can functionally replace the yeast protein. Patients with the autoimmune disease scleroderma often have strong circulating autoantibodies to a ~34kDa protein which was subsequently found to be fibrillarin. Recent studies show that knock-out of the fibrillarin gene in mice results in embryonic lethality, although mice with only one functional fibrillarin/Nop1p gene were viable.

Isotype: Mouse IgG1

Applications: E, WB, IF

Species Reactivity: Y, H, R

Format: Each vial contains 0.1 mg IgG in 0.1 ml (1 mg/ml) of HEPES (pH7.5), 0.01% BSA, with 50% glycerol with 0.065% sodium azide. Antibody was purified by Protein-G affinity chromatography.

Alternate Names: rRNA 2'-O-methyltransferase fibrillarin; U3 small nucleolar RNA-associated protein NOP1; Nucleolar protein 1; U3 snoRNA-associated protein NOP1; NOP1

Accession No.: P15646

Antigen: Yeast nuclear preparations.

Application Notes: E: 1:500-1:1,000; WB: 1:1,000; IF: 1:500

Storage: Store at -20°C. Minimize freeze-thaw cycles.

Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.