

Datasheet for ABIN371824
anti-Fibrillarin antibody



[Go to Product page](#)

2 Images

Overview

Quantity:	0.1 mL
Target:	Fibrillarin (FBL)
Reactivity:	Human, Rat, Drosophila melanogaster, C. elegans, Plant, Schizosaccharomyces pombe
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Fibrillarin antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Yeast nuclear preparations.
Clone:	38F3
Isotype:	IgG1
Specificity:	Specific for the ~34 kDa Fibrillarin /Nop1p protein. This antibody is becoming widely used as a convenient marker for nucleoli in a wide variety of species (e.g. 4-6).
Cross-Reactivity (Details):	Species reactivity (expected):Mammals. Species reactivity (tested):Human, Rat, Plant, Drosophila, C. elegans and S. pombe.
Characteristics:	Synonyms: FIB1, FLRN, Fibrillarin, RNU3IP1, NOP1, LOT3, Nucleolar protein 1, Nucleolar Marker, rRNA2'-O-methyltransferase fibrillarin, U3 small nucleolar RNA-associated protein NOP1
Purification:	Ig Fraction

Target Details

Target:	Fibrillarin (FBL)
Alternative Name:	FBL (FBL Products)
Background:	Nop1p was originally identified as a nucleolar protein of bakers yeast, <i>Saccharomyces cerevisiae</i>. The Nop1p protein is 327 amino acids in size (34.5 kDa), is essential for yeast viability, and is localized in the nucleoli (1). The systematic name for <i>S. cerevisiae</i> Nop1 is YDL014W, and it is now known to be part of the small subunit processome complex, 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 (2). 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 ~34 kDa 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 (3). Synonyms: FIB1, FLRN, Fibrillarin, LOT3, NOP1, Nucleolar Marker, Nucleolar protein 1, RNU3IP1, U3 small nucleolar RNA-associated protein NOP1, rRNA 2'-O-methyltransferase fibrillarin
Gene ID:	851548
UniProt:	P15646
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Western Blot: 1/1,000. Immunofluorescence: 1/500. Immunohistochemistry. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Restrictions:	For Research Use only

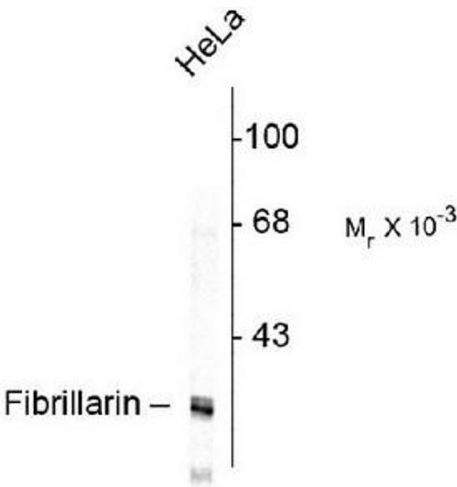
Handling

Format:	Liquid
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store the antibody undiluted (in aliquots) at -20 °C. Shelf life: one year from despatch.

Handling

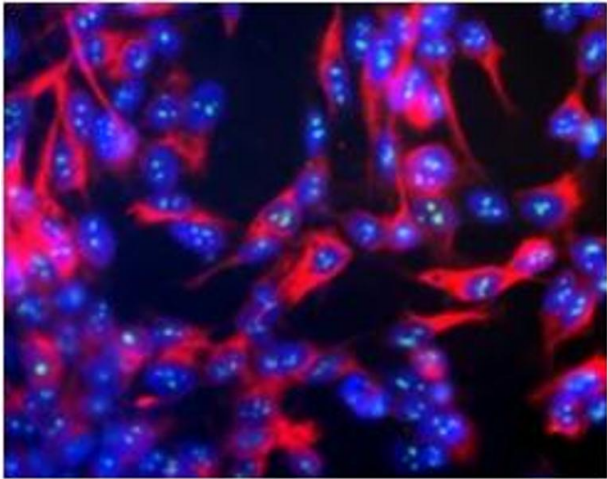
Expiry Date: 12 months

Images



Western Blotting

Image 1.



Immunofluorescence

Image 2.