**BACKGROUND**

Fibrillarin is a widely occurring, basic, non-histone protein that is localized exclusively in the fibrillar region of the nucleolus, including both the dense fibrillar and the fibrillar center regions. Fibrillarin is also expressed in HeLa cells, 3T3 cells and human peripheral blood lymphocytes. In metaphase and anaphase, Fibrillarin is found on putative chromosomal nucleolar regions (NORs). During telophase, Fibrillarin is an early marker for the site of the newly forming nucleolus. The structure of Fibrillarin includes an RNA-binding domain and an RNP consensus sequence, which is consistent with the association of Fibrillarin with the U3 small nucleolar RNA. Fibrillarin is involved in processing rRNA transcripts in the nucleolus.

**CHROMOSOMAL LOCATION**

Genetic locus: FBL (human) mapping to 19q13.2; Fbl (mouse) mapping to 7 A3.

**SOURCE**

Fibrillarin (B-1) is a mouse monoclonal antibody raised against amino acids 61-200 of Fibrillarin of human origin.

**PRODUCT**

Each vial contains 200 µg IgGκ kappa light chain in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

Fibrillarin (B-1) is available conjugated to agarose (sc-166001 AC), 500 µg/0.25 ml agarose in 1 ml, for IP; to HRP (sc-16601 HRP), 200 µg/ml, for WB, IHC(PE) and ELISA; to either phycocyanin (sc-16601 PE), fluorescein (sc-16601 FITC), Alexa Fluor® 488 (sc-16601 AF488), Alexa Fluor® 546 (sc-16601 AF546), Alexa Fluor® 594 (sc-16601 AF594) or Alexa Fluor® 647 (sc-16601 AF647), 200 µg/ml, for WB (RGB), IF, IHC(PE) and FCM; and to either Alexa Fluor® 680 (sc-16601 AF680) or Alexa Fluor® 790 (sc-16601 AF790), 200 µg/ml, for Near-Infrared (NIR) WB, IF and FCM.

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**APPLICATIONS**

Fibrillarin (B-1) is recommended for detection of Fibrillarin of mouse, rat and human origin by Western Blotting (starting dilution 1:100, dilution range 1:100-1,000), immunoprecipitation [1-2 µg per 100-500 µg of total protein (1 ml of cell lysate), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500), immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500) and solid phase ELISA (starting dilution 1:30, dilution range 1:30-1:3000).


Molecular Weight of Fibrillarin: 36 kDa.

Positive Controls: c4 whole cell lysate: sc-364186, JAR cell lysate: sc-2276 or HeLa whole cell lysate: sc-2200.

**RECOMMENDED SUPPORT REAGENTS**

To ensure optimal results, the following support reagents are recommended:

1. Western Blotting: use m-IgG (Cruz Marker) BP-HRP: sc-516102 or m-IgG (Cruz Marker) BP-FITC: sc-516140 or m-IgG (Cruz Marker) BP-PE: sc-516141 (dilution range: 1:50-1:200) with UltraCruz® Mounting Medium: sc-24941 or UltraCruz® Hard-set Mounting Medium: sc-359850. Immu-}

**DATA**

**SELECT PRODUCT CITATIONS**


**STORAGE**

Store at 4°C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**RESEARCH USE**

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