

Fibrillarin Antibody, pAb, Rabbit**Cat. No.:** A01462-40**Size:** 40 µg**Synonyms:** FBL antibody;**Description:**

Fibrillarin is an excellent marker for the nucleolus. As a component of a nucleolar small nuclear ribonucleoprotein (snRNP) particle, it is thought to participate in the first step in processing preribosomal RNA. Fibrillarin protein contains an amino-terminal domain that is rich in glycine and arginine residues (termed the GAR domain), a central RNA-binding domain comprising an RNP-2 like consensus sequence, and a C-terminal alpha-helical domain. Fibrillarin binds to U3, U8, and U13 small nuclear RNAs. It associates with several other structural proteins as well as box C/D snoRNA to form a complex that functions in pre-rRNA processing, pre-rRNA methylation and ribosome assembly. This complex catalyzes site-specific 2-O-ribose methylation of targeted nucleotides within the rRNA sequence.

GenScript **Rabbit Anti-Fibrillarin Polyclonal Antibody** is developed in rabbit using a KLH-coupled synthetic peptide within residues 50-100 of human Fibrillarin protein (Swiss Prot: P22087).

Immunogen: KLH-coupled synthetic peptide within residues 50-100 of human Fibrillarin protein (Swiss Prot: P22087).

Host: Rabbit**Antigen Synonyms:** Human**Conjugation:** Unconjugated**Formulation:**

0.5 mg/ml, lyophilized with PBS, pH 7.4, containing 0.02% sodium azide.

Ig Subclass: Rabbit IgG**Specificity:** GenScript Rabbit Anti-Fibrillarin Polyclonal Antibody detects endogenous levels of human Fibrillarin.**Positive Control:** Hela and HEK293.**Purification:** Immunoaffinity chromatography**Applications:**

Working concentrations for specific applications should be determined by the investigator. The appropriate concentrations may be affected by secondary antibody affinity, antigen concentration, the sensitivity of the method of detection, temperature, the length of the incubations, and other factors. The suitability of this antibody for applications other than those listed below has not been determined. The following concentration ranges are recommended starting points for this product.

Western blot: 0.5-1 µg/ml**Other Applications:** user-optimized**Species Reactivity:** Human. Reactivity to other species is not tested yet.**Reconstitution:**

Reconstitute the lyophilized powder with deionized water (or equivalent) to an antibody concentration of 0.5 mg/ml.

Storage:

The antibody is stable in lyophilized form if stored at -20°C or below. The reconstituted antibody can be stored for 2-3 weeks at 2-8°C. For long term storage, aliquot and store at -20°C or below. Avoid repeated freezing and thawing cycles.