

## FBL Antibody

Catalog No: #32174

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## Description

Product Name	FBL Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antibodies were purified by affinity purification using immunogen.
Applications	WB IHC IF
Species Reactivity	Hu Ms Rt
Specificity	The antibody detects endogenous level of total FBL protein.
Immunogen Type	Recombinant Protein
Immunogen Description	Recombinant protein of human FBL.
Target Name	FBL
Other Names	FBL; FIB; FLRN; RNU3IP1;
Accession No.	Swiss-Prot:P22087NCBI Gene ID:2091
SDS-PAGE MW	34KD
Concentration	1.0mg/ml
Formulation	Supplied at 1.0mg/mL in phosphate buffered saline (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Storage	Store at -20°C

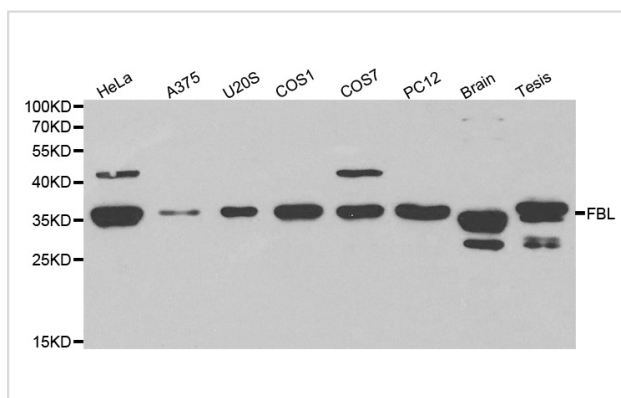
## Application Details

Western blotting: 1:500 - 1:2000

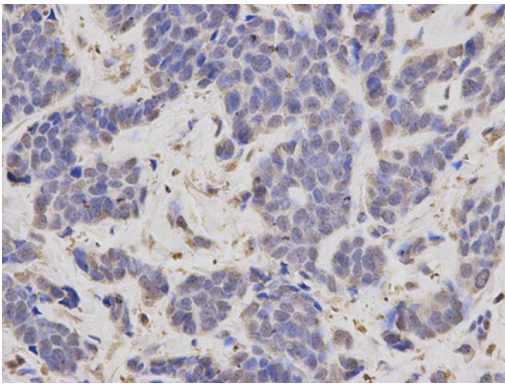
Immunohistochemistry: 1:50 - 1:100

Immunofluorescence: 1:50 - 1:200

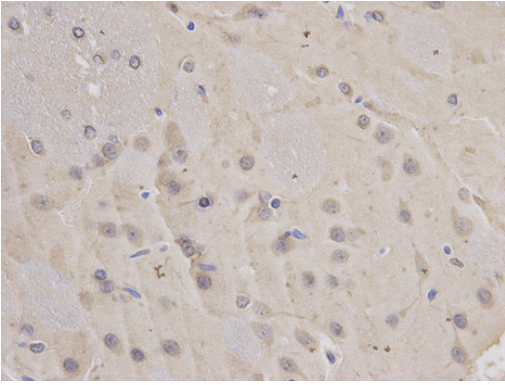
## Images



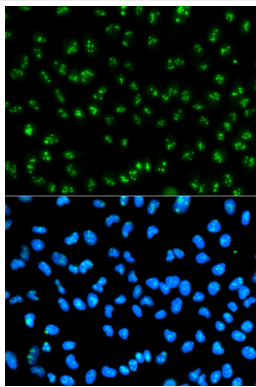
Western blot analysis of extracts of various cell lines, using FBL antibody.



Immunohistochemical analysis of paraffin-embedded human breast cancer using FBL antibody at dilution of 1:200 (400x lens).



Immunohistochemical analysis of paraffin-embedded rat brain using FBL antibody at dilution of 1:200 (400x lens).



Immunofluorescence analysis of HeLa cell using FBL antibody. Blue: DAPI for nuclear staining.

## Background

Fibrillarin is a 2'-O-methyltransferase located in fibrillar regions and Cajal bodies of the nucleolus, where RNA transcription and pre-RNA processing take place (1,2). Fibrillarin 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 (3,4). The sequence, structure and function of fibrillarin are highly conserved and fibrillarin gene expression is essential for early embryonic development (5).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.