Datasheet for ABIN2778775

anti-Fibrillarin antibody (N-Term)

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Overview

Quantity:	100 µL
Target:	Fibrillarin (FBL)
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Guinea Pig, Horse, Rabbit
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Fibrillarin antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC)

Product Details

Immunogen:	The immunogen is a synthetic peptide directed towards the N terminal region of human FBL
Sequence:	GGGFHSGGNR GRGRGGKRGN QSGKNVMVEP HRHEGVFICR GKEDALVTKN
Predicted Reactivity:	Cow: 86%, Dog: 100%, Guinea Pig: 100%, Horse: 100%, Human: 100%, Mouse: 100%, Rabbit: 93%, Rat: 100%
Characteristics:	This is a rabbit polyclonal antibody against FBL. It was validated on Western Blot and immunohistochemistry.
Purification:	Protein A purified

Target Details

Target:	Fibrillarin (FBL)

Target Details

Alternative Name:	FBL (FBL Products)
Background:	FBL is a component of a nucleolar small nuclear ribonucleoprotein (snRNP) particle thought to participate in the first step in processing preribosomal RNA. It is associated with the U3, U8, and U13 small nuclear RNAs and is located in the dense fibrillar component (DFC) of the nucleolus. FBL contains an N-terminal repetitive domain that is rich in glycine and arginine residues, like fibrillarins in other species. Its central region resembles an RNA-binding domain and contains an RNP consensus sequence. Antisera from approximately 8 % of humans with the autoimmune disease scleroderma recognize fibrillarin.This gene product is a component of a nucleolar small nuclear ribonucleoprotein (snRNP) particle thought to participate in the first step in processing preribosomal RNA. It is associated with the U3, U8, and U13 small nuclear RNAs and is located in the dense fibrillar component (DFC) of the nucleolus. The encoded protein contains an N-terminal repetitive domain that is rich in glycine and arginine residues, like fibrillarins in other species. Its central region resembles an RNA-binding domain and contains an RNP consensus sequence. Antisera from approximately 8 % of humans with the autoimmune disease scleroderma recognize fibrillarin. Alias Symbols: FIB, FLRN, RNU3IP1 Protein Interaction Partner: UBC, CEP250, TP53, SUMO2, SUMO3, LIN28A, LIN28B, RPA3, RPA2, RPA1, ERG, RNF2, BMI1, SUZ12, EED, EZH2, TARDBP, UBD, NCL, ARFGEF1, PAN2, CBX8, ITGA4, FN1, VCAM1, MAGOH, EIF4A3, EEF1A1, DHX15, NSUN2, NOP58, MRTO4, GNL3, RSL1D1, SRRM2, BOP1, RRS1, EBNA1BP2, P Protein Size: 321
Molecular Weight:	35 kDa
Gene ID:	2091
NCBI Accession:	NM_001436, NP_001427
UniProt:	P22087
Pathways:	Ribonucleoside Biosynthetic Process

Application Details

Application Notes:	Optimal working dilutions should be determined experimentally by the investigator.
Comment:	Antigen size: 321 AA
Restrictions:	For Research Use only

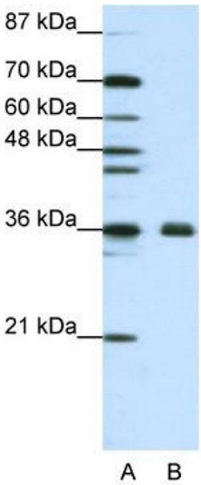
Handling

Format:	Liquid
Concentration:	Lot specific
Buffer:	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09 % (w/v) sodium azide and 2 % sucrose.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-20 °C
Storage Comment:	For short term use, store at 2-8°C up to 1 week. For long term storage, store at -20°C in small aliquots to prevent freeze-thaw cycles.

Publications

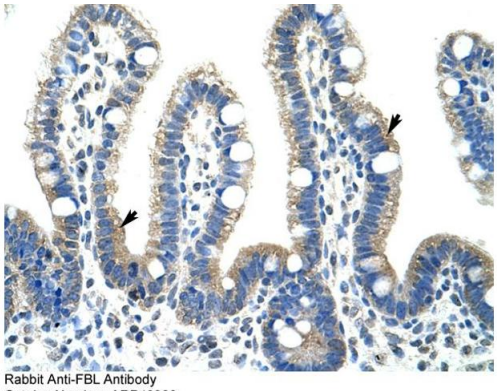
Product cited in:	Bertin, Dury, Ouellet, Pelletier, Labrie: "Localization of the androgen-synthesizing enzymes, androgen receptor, and sex steroids in the vagina: possible implications for the treatment of postmenopausal sexual dysfunction." in: **The journal of sexual medicine**, Vol. 11, Issue 8, pp. 1949-61, (2014) (PubMed).

Images



Western Blotting

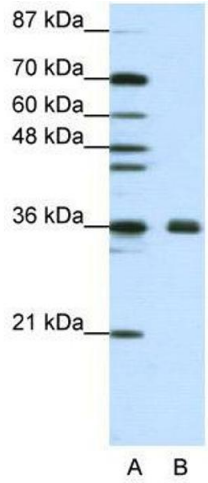
Image 1. WB Suggested Anti-FBL Antibody Titration: 1.25ug/ml ELISA Titer: 1:12500 Positive Control: Jurkat cell lysate FBL is supported by BioGPS gene expression data to be expressed in Jurkat



Rabbit Anti-FBL Antibody
Catalog Number: ARP40366
Lot Number: QC9463
Paraffin Embeded Tissue: Human Intestine
Cells with Positive label: Epithelial cells of intestinal villus (Indicated with Arrows)
Antibody Concentration: 4.0-8.0 µg/ml
Magnification: 400X

Immunohistochemistry

Image 2. Rabbit Anti-FBL Antibody Paraffin Embedded Tissue: Human Intestine Cellular Data: Epithelial cells of intestinal villas Antibody Concentration: 4.0-8.0 ug/ml Magnification: 400X



Western Blotting

Image 3. WB Suggested Anti-FBL

Antibody Titration: 1.25 µg/mL ELISA Titer: 1:12500

Positive Control: Jurkat cell lysate

FBL is supported by BioGPS gene expression data to be expressed in Jurkat