




Anti-PUF60/FIR antibody ab22819

3 References [画像数 3](#)

製品の概要

製品名	Anti-PUF60/FIR antibody
製品の詳細	Goat polyclonal to PUF60/FIR
由来種	Goat
特異性	ab22819 recognises both reported human isoforms of PUF60/FIR
アプリケーション	適用あり: IHC-P, ICC/IF, WB
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat, Pig 
免疫原	Synthetic peptide corresponding to Human PUF60/FIR aa 530-542 (C terminal). Sequence: YDQERFDNSDLSA <div>  Run BLAST with  Run BLAST with </div>
ポジティブ・コントロール	A431 lysate
特記事項	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: Tris buffered saline, 0.5% BSA
精製度	Immunogen affinity purified
特記事項 (精製)	ab22819 has been purified by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

ポリ/モノ
アイソタイプ

ポリクローナル
IgG

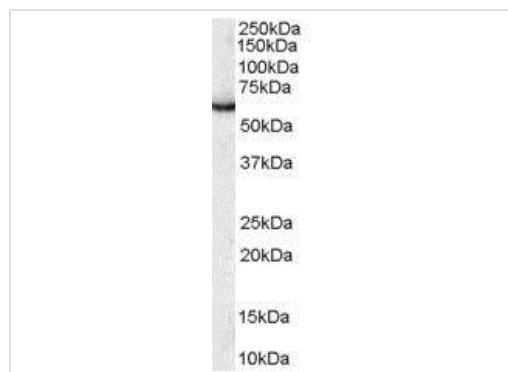
アプリケーション

The Abpromise guarantee Abpromise保証は、 次のテスト済みアプリケーションにおけるab22819の使用に適用されます
アプリケーションノートには、推奨の開始希釈率がありますが、適切な希釈率につきましてはご確認ください。

アプリケーション	Abreviews	特記事項
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.
ICC/IF		Use a concentration of 5 µg/ml.
WB		Use a concentration of 0.1 - 0.3 µg/ml. Predicted molecular weight: 58 kDa. 1 hour primary incubation is recommended for this product.

ターゲット情報

機能	DNA- and RNA-binding protein, involved in several nuclear processes such as pre-mRNA splicing, apoptosis and transcription regulation. In association with FUBP1 regulates MYC transcription at the P2 promoter through the core-TFIID basal transcription factor. Acts as a transcriptional repressor through the core-TFIID basal transcription factor. Represses FUBP1-induced transcriptional activation but not basal transcription. Decreases ERCC3 helicase activity. Does not repress TFIID-mediated transcription in xeroderma pigmentosum complementation group B (XPB) cells. Is also involved in pre-mRNA splicing. Promotes splicing of an intron with weak 3'-splice site and pyrimidine tract in a cooperative manner with U2AF2. Involved in apoptosis induction when overexpressed in HeLa cells. Isoform 6 failed to repress MYC transcription and inhibited FIR-induced apoptosis in colorectal cancer. Isoform 6 may contribute to tumor progression by enabling increased MYC expression and greater resistance to apoptosis in tumors than in normal cells. Modulates alternative splicing of several mRNAs. Binds to relaxed DNA of active promoter regions. Binds to the pyrimidine tract and 3'-splice site regions of pre-mRNA; binding is enhanced in presence of U2AF2. Binds to Y5 RNA in association with TROVE2. Binds to poly(U) RNA.
組織特異性	Isoform 2 is expressed in colonic epithelium and colorectal epithelium cancer (at protein level). Isoform 6 is expressed in colorectal epithelial cancer but below detection level in colonic epithelium. Expressed in heart, brain, placenta, lung, liver, skeletal muscle, kidney, pancreas, spleen, thymus, prostate, testis, ovary, small intestine, colon and peripheral blood leukocytes.
配列類似性	Belongs to the RRM half pint family. Contains 3 RRM (RNA recognition motif) domains.
ドメイン	The third RNA recognition motif, called PUMP domain, is atypical and may rather mediate homodimerization and/or protein-protein interactions.
細胞内局在	Nucleus. Colocalizes partially with TROVE2.

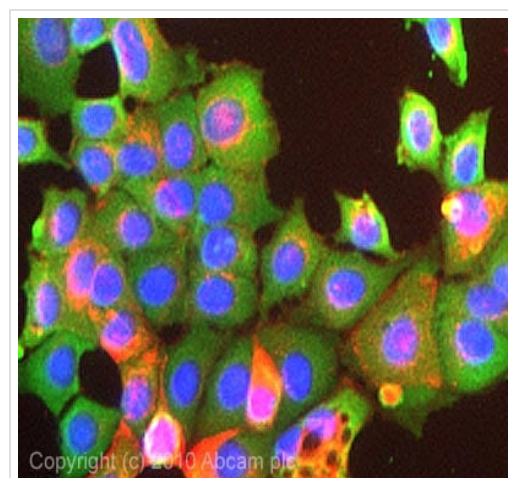


Western blot - Anti-PUF60/FIR antibody (ab22819)

Anti-PUF60/FIR antibody (ab22819) at 0.1 µg/ml + HEK293 cell lysate (35µg in RIPA buffer)

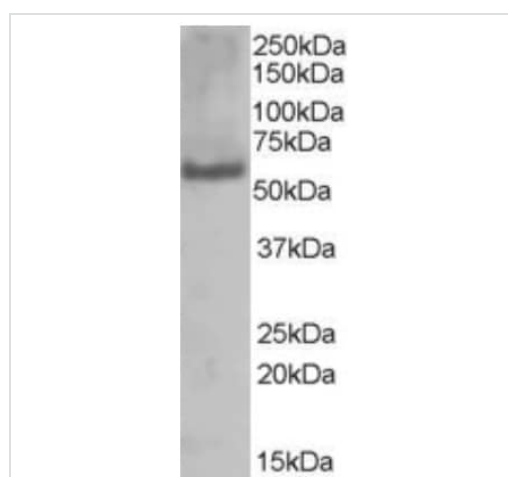
Predicted band size: 58 kDa

Primary incubation was 1 hour. Detected by chemiluminescence.



Immunocytochemistry/ Immunofluorescence - Anti-PUF60/FIR antibody (ab22819)

ICC/IF image of ab22819 stained MCF7 cells. The cells were 100% methanol fixed (5 min) and then incubated in 1%BSA / 10% normal donkey serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab22819, 5µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 donkey anti-goat IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.



Western blot - Anti-PUF60/FIR antibody (ab22819)

Anti-PUF60/FIR antibody (ab22819) at 1 µg/ml + A431 lysate (35µg protein in RIPA buffer).

Predicted band size: 58 kDa

Observed band size: 58 kDa

Primary incubation was 1 hour. Detected by chemiluminescence.

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