

Product datasheet

Anti-FMRP antibody ab82144

画像数 1

製品の概要

製品名	Anti-FMRP antibody
製品の詳細	Goat polyclonal to FMRP
由来種	Goat
アプリケーション	適用あり: WB, ELISA
種交差性	交差種: Human 交差が予測される動物種: Mouse, Rat, Xenopus laevis, Orangutan 
免疫原	Synthetic peptide: C-RTGKDRNQKKEKPD , corresponding to C terminal amino acids 606-619 of human FMRP (NP_002015.1) Run BLAST with Run BLAST with
ポジティブ・コントロール	KELLY cell lysate.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 0.5% BSA, 0.5% Tris buffered saline
精製度	Immunogen affinity purified
特記事項(精製)	Purified from goat serum by ammonium sulphate precipitation, followed by antigen affinity chromatography using the immunizing peptide.
ポリ/モノ	ポリクローナル
アイソタイプ	IgG

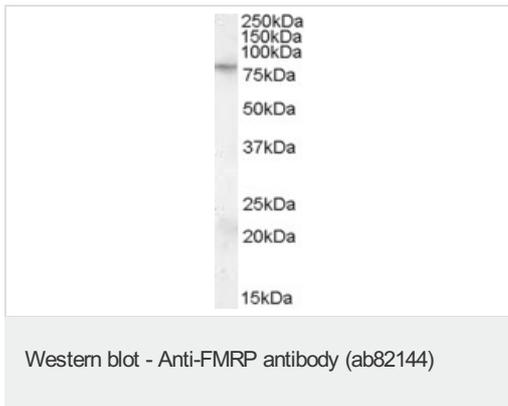
アプリケーション

Our [Abpromise guarantee](#) covers the use of **ab82144** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		
ELISA		
追加情報	<p>Peptide ELISA: Use at an assay dependent dilution. Antibody detection limit dilution 1:128,000.</p> <p>WB: Use at a concentration of 0.1 - 0.3 µg/ml. Predicted molecular weight: 71 kDa.</p> <p>Not yet tested in other applications.</p> <p>Optimal dilutions/concentrations should be determined by the end user.</p>	
ターゲット情報		
機能	<p>Translation repressor. Component of the CYFIP1-EIF4E-FMR1 complex which binds to the mRNA cap and mediates translational repression. In the CYFIP1-EIF4E-FMR1 complex this subunit mediates translation repression (By similarity). RNA-binding protein that plays a role in intracellular RNA transport and in the regulation of translation of target mRNAs. Associated with polysomes. May play a role in the transport of mRNA from the nucleus to the cytoplasm. Binds strongly to poly(G), binds moderately to poly(U) but shows very little binding to poly(A) or poly(C).</p>	
組織特異性	<p>Highest levels found in neurons, brain, testis, placenta and lymphocytes. Also expressed in epithelial tissues and at very low levels in glial cells.</p>	
関連疾患	<p>Defects in FMR1 are the cause of fragile X syndrome (FRAX) [MIM:300624]. Fragile X syndrome is a common genetic disease (has a prevalence of one in every 2000 children) which is characterized by moderate to severe mental retardation, macroorchidism (enlargement of the testicles), large ears, prominent jaw, and high-pitched, jocular speech. The defect in most fragile X syndrome patients results from an amplification of a CGG repeat region which is directly in front of the coding region.</p> <p>Defects in FMR1 are the cause of fragile X tremor/ataxia syndrome (FXTAS) [MIM:300623]. In FXTAS, the expanded repeats range in size from 55 to 200 repeats and are referred to as 'premutations'. Full repeat expansions with greater than 200 repeats results in fragile X mental retardation syndrome [MIM:300624]. Carriers of the premutation typically do not show the full fragile X syndrome phenotype, but comprise a subgroup that may have some physical features of fragile X syndrome or mild cognitive and emotional problems.</p> <p>Defects in FMR1 are the cause of premature ovarian failure syndrome type 1 (POF1) [MIM:311360]. An ovarian disorder defined as the cessation of ovarian function under the age of 40 years. It is characterized by oligomenorrhea or amenorrhea, in the presence of elevated levels of serum gonadotropins and low estradiol.</p>	
配列類似性	<p>Belongs to the FMR1 family.</p> <p>Contains 2 KH domains.</p>	
翻訳後修飾	<p>Phosphorylated on several serine residues.</p>	
細胞内局在	<p>Cytoplasm. Nucleus > nucleolus.</p>	

画像



Anti-FMRP antibody (ab82144) at 0.1 µg/ml +
KELLY cell lysate at 35 µg

Developed using the ECL technique.

Predicted band size: 71 kDa

Observed band size: 80 kDa

Exposure time: 1 hour

The observed molecular weight corresponds to earlier findings in literature with different antibodies (Sittler et al, Hum Mol Genet. 1996 Jan;5(1):95-102; PMID: 8789445).

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