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Rabbit Anti-FXR2 antibody

SL6975R

Product Name:	FXR2
Chinese Name:	脆性X相关蛋白样2抗体
Alias:	FMR1L2; Fragile X mental retardation 1 like 2; Fragile X mental retardation autosomal homolog 2; Fragile X mental retardation gene autosomal homolog 2; Fragile X mental retardation syndrome related protein 2; Fragile X mental retardation syndrome-related protein 2; FXR 2; FXR2; FXR2 PEN; FXR2_HUMAN; Human fragile X mental retardation syndrome related protein FXR2 mRNA complete cds.
Organism Species:	Rabbit
Clonality:	Polyclonal
React Species:	Human,Mouse,Rat,Chicken,Dog,Pig,Cow,Horse,Rabbit,
Applications:	ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:50-200（Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Molecular weight:	74kDa
Cellular localization:	cytoplasmic
Form:	Lyophilized or Liquid
Concentration:	1mg/ml
immunogen:	KLH conjugated synthetic peptide derived from human FXR2:261-360/673
Lsotype:	IgG
Purification:	affinity purified by Protein A
Storage Buffer:	0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.
Storage:	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.
PubMed:	PubMed
Product Detail:	Fragile X syndrome is caused by the absence of the fragile X mental-retardation protein (FMRP). FMRP is the archetype of a class of cytoplasmic mRNA-binding proteins that includes the fragile X-related 1 and 2 proteins (FXR1 and FXR2). The fragile X-related

proteins FXR1 and FXR2 contain a functional nucleolar-targeting signal equivalent to the HIV-1 regulatory proteins.

Function:
RNA-binding protein.

Subunit:
Interacts with FMR1 and FXR1. Interacts with CYFIP2 but not with CYFIP1. Interacts with TDRD3.

Subcellular Location:
Cytoplasm.

Similarity:
Belongs to the FMR1 family.
Contains 2 Agenet-like domains.
Contains 2 KH domains.

SWISS:
Q06787

Gene ID:
9513

Database links:

Entrez Gene: 9513Human

Entrez Gene: 100512131Pig

Entrez Gene: 100343838Rabbit

Entrez Gene: 287433Rat

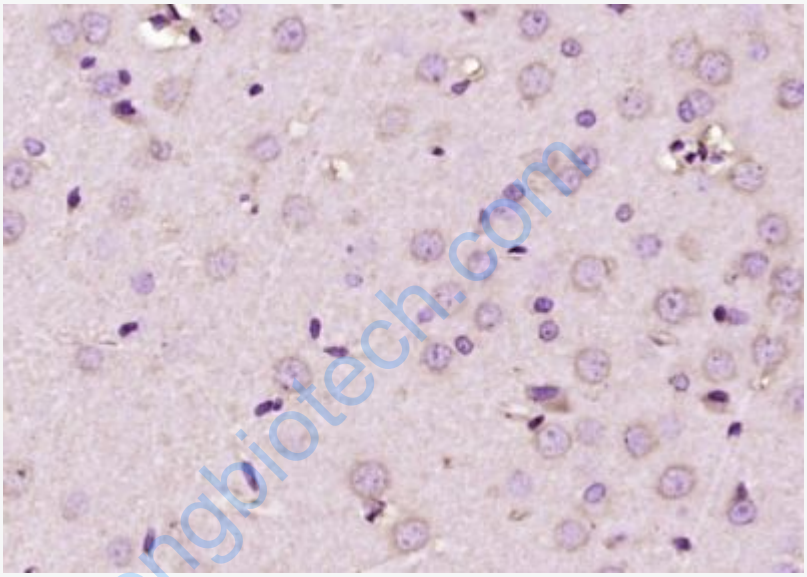
Omim: 605339Human

SwissProt: P51116Human

Unigene: 52788Human

Important Note:
This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

脆性X综合症，又称马丁－贝尔综合症，是一种遗传疾病。该综合症可以导致一系列的特征性症状，包括生理、智力、情绪、以及行为上的异常。症状的轻重各有不同。该疾病伴随着X染色体上一个简单的三核苷酸基因序列（CGG）的扩增。这种扩增

	导致了一种称为FMR-1的蛋白质无法在病人体内表达，而该蛋白质是神经的正常发育必不可少的。根据CGG重复序列的长度，目前普遍认可将脆性X综合症分为四种类型：正常人（含有19－31个CGG重复序列），前突变者（含有55－200个CGG重复序列），全突变者（含有200个以上的CGG重复序列），过渡型，又称“灰色区域型”（含有40－60个重复）。脆性X综合征这是一种导致智力低下的遗传疾病，是导致人群中智力低下的第二大病因——仅次于21三体综合症。
Picture:	 Paraformaldehyde-fixed, paraffin embedded (rat brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (FXR2) Polyclonal Antibody, Unconjugated (SL6975R) at 1:200 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructionsand DAB staining.