



Rabbit Anti-Human FMRP monoclonal antibody, clone 27I2M24 (CABT-L1305)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	This antibody is predicted to react with Monkey, Cat, Pig
Target	FMR1
Immunogen	Protein corresponding to human FMR1 (aa216-425)
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	27I2M24
Purification	Protein A Purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Concentration	0.5 mg/ml
Buffer	PBS, pH 7.4
Preservative	0.09% Sodium Azide
Storage	-20°C, Avoid Freeze/Thaw Cycles

BACKGROUND

Introduction

FMR1 binds RNA and is associated with polysomes. The protein may be involved in mRNA trafficking from the nucleus to the cytoplasm. A trinucleotide repeat in the 5' UTR is normally found at 6-53 copies, but an expansion to 55-230 repeats is the cause of fragile X syndrome. Expansion of the trinucleotide repeat may also cause one form of premature ovarian failure. Multiple alternatively spliced transcript variants that encode different protein isoforms and which are located in different cellular locations have been described for this gene.

Keywords

FMR1;fragile X mental retardation 1;POF;FMRP;POF1;FRAXA;fragile X mental retardation protein 1

GENE INFORMATION

Entrez Gene ID

[2332](#)

UniProt ID

[Q06787](#)