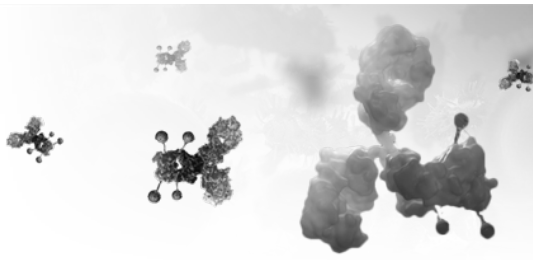

Anti-FMR1 (aa 121-220) polyclonal antibody (DPAB-DC1077)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene binds RNA and is associated with polysomes. The encoded protein may be involved in mRNA trafficking from the nucleus to the cytoplasm. A trinucleotide repeat (CGG) 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 (POF1). Multiple alternatively spliced transcript variants that encode different protein isoforms and which are located in different cellular locations have been described for this gene.
Immunogen	FMR1 (NP_002015, 121 a.a. ~ 220 a.a) partial recombinant protein with GST tag. The sequence is ATKDTFHKIKLDVPEDLRQMCAKEAAHKDFKKAVGAFSVTYDPENYQLVILSINEVTSKR AHMLIDMHFRSLRTKLSLIMRNEEASKQLESSRQLASRFH
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

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Gene Name	FMR1 fragile X mental retardation 1 [Homo sapiens (human)]
Official Symbol	FMR1
Synonyms	FMR1; fragile X mental retardation 1; POF; FMRP; POF1; FRAXA; fragile X mental retardation protein 1;
Entrez Gene ID	2332
Protein Refseq	NP_001172004
UniProt ID	G8JLE9
Chromosome Location	Xq27.3
Pathway	RNA transport;
Function	RNA binding; mRNA binding; poly(A) RNA binding; protein binding

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