

Goat anti-FMR1 Antibody

Item Number	dAP-1402
Target Molecule	Principle Name: FMR1; Official Symbol: FMR1; All Names and Symbols: FMR1; fragile X mental retardation 1 ; FMRP; FRAXA; MGC87458 ; Accession Number (s): NP_002015.1; Human Gene ID(s): 2332; Non-Human GenID(s):
Immunogen	RTGKDRNQKKEKPD, is from internal region (near the C Terminus)
Applications	Pep ELISA, WB, IHC Species Tested: Human
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	Lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 128000.
Western Blot	Western Blot: Approx 80kDa band observed in lysates of cell line KELLY (calculated MW of 71.2kDa according to NP_002015.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Sittler et al, Hum Mol Gene
IHC	Immunohistochemistry: Paraffin embedded Human Placenta. Recommended concentration: 2.5µg/ml.
Reference	Reference(s): Hanson JE, Blank M, Valenzuela RA, Garner CC, Madison DV. The functional nature of synaptic circuitry is altered in area CA3 of the hippocampus in a mouse model of Down's syndrome. J Physiol. 2007 Feb 15;579(Pt 1):53-67. Epub 2006 Dec 7. PMID: 17158177 ->

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the end users! This product is sold for **Research Use Only**