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**Research Use Only. Not for
diagnostic or therapeutic use.**

EB07868 - Goat Anti-FMR1 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: FMR1, fragile X mental retardation 1, FMRP, FRAXA, MGC87458

Official Symbol: FMR1

Accession Number(s): NP_002015.1

Human GeneID(s): [2332](#)

Immunogen

Peptide with sequence C-RTGKDRNQKKEKPD, from the internal region (near the C Terminus) of the protein sequence according to NP_002015.1.

Please note the [peptide](#) is available for sale.

Purification and Storage

Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.

Supplied at 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.

Applications Tested

Peptide ELISA: antibody detection limit dilution 1:128000.

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 Genet. 1996 Jan;5(1):95-102; PMID: 8789445). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.

IHC: Paraffin embedded Human Placenta. Recommended concentration: 2.5µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Mouse, Rat, Dog

EB07868 (0.1µg/ml) staining of KELLY cell lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB07868 (2.5µg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer pH 6, AP-staining.