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

EB09362 - Goat Anti-FMR1 (aa116-130) 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](#)

Non-Human GeneID(s): 24948 (rat)

Immunogen

Peptide with sequence C-NPNKPATKDTFHKIK, from the internal region 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 1:32000.

Western blot: Approx 70kDa band observed in lysates of cell lines HeLa, Jurkat and Kelly (calculated MW of 71.2kDa according to NP_002015.1). Recommended concentration: 0.3-1µg/ml.

IHC: Paraffin embedded Human Brain (Cortex) and Placenta. Recommended concentration: 2.5µg/ml.

Species Reactivity

Tested: Human

Expected from sequence similarity: Human, Rat

EB09362 (0.3µg/ml) staining of Kelly lysate (35µg protein in RIPA buffer). Primary incubation was 1 hour.
Detected by chemiluminescence.

EB09362 (2.5µg/ml) staining of paraffin embedded Human Cortex. Steamed antigen retrieval with citrate buffer
pH 6, AP-staining.

EB09362 (2.5µg/ml) staining of paraffin embedded Human Placenta. Steamed antigen retrieval with citrate buffer
pH 6, AP-staining.