

#### **International Office**

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# 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 GenelD(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.

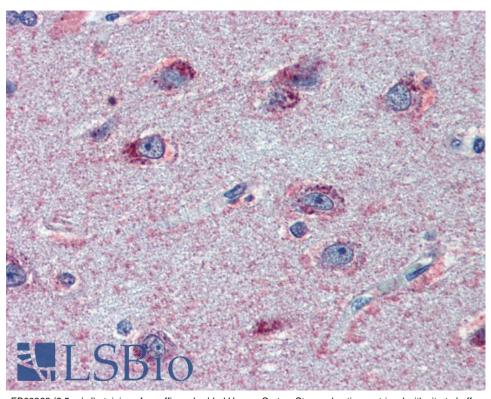
## **Species Reactivity**

Tested: Human

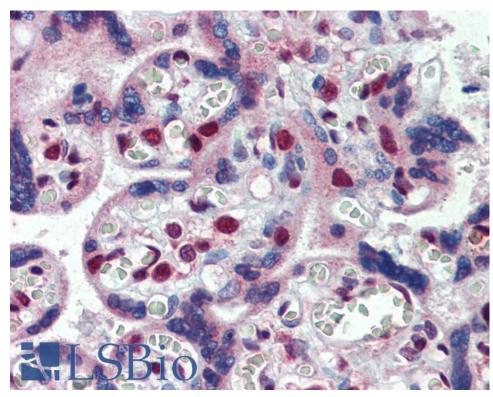
Expected from sequence similarity: Human, Rat

250kDa 150kDa 100kDa 75kDa 50kDa 37kDa 25kDa 20kDa

EB09362 ( $0.3\mu g/ml$ ) staining of Kelly lysate ( $35\mu g$  protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemilluminescence.



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



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