



## UK Office

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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-RTGKDRNQQKKEKPD, 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.

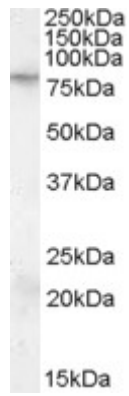
**Western blot:** Approx 80kDa band observed in lysates of cell line KELLY (calculated MW of 71.2kDa according to NP\_002015.1). The observed molecular weight corresponds to earlier findings in literature with different antibodies (Sittler et al, Hum Mol Genet. 1996 Jan;5(1):95-102; PMID: 8789445). Recommended concentration: 0.1-0.3µg/ml. Primary incubation was 1 hour.

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

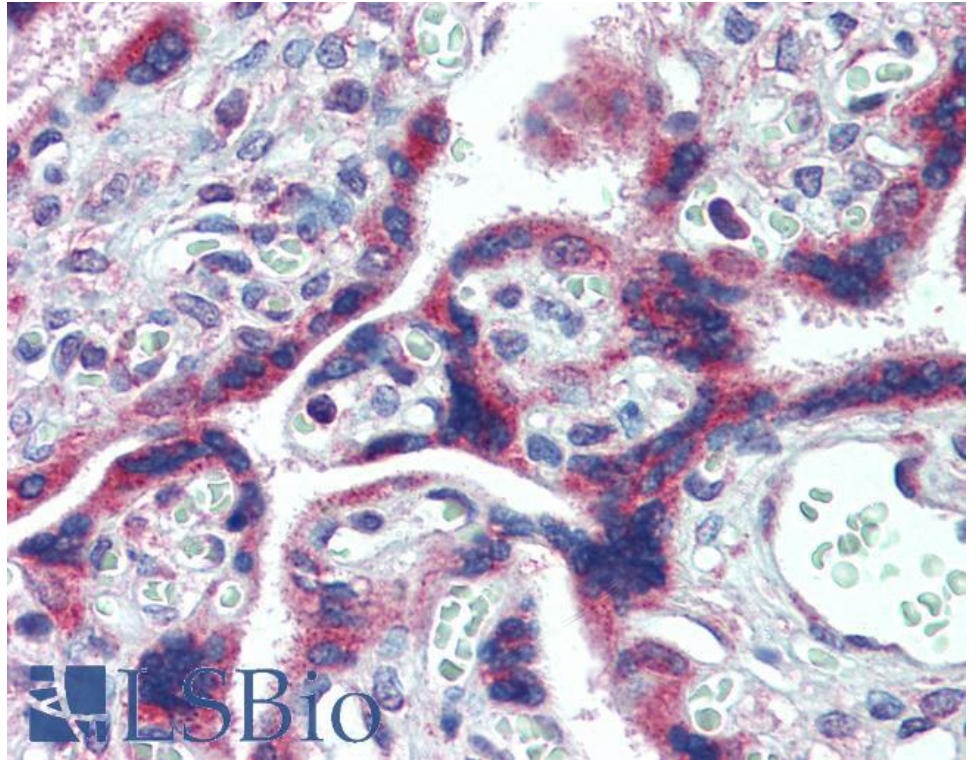
### Species Reactivity

**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.