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

EB06061 - Goat Anti-EMI2 Antibody

Size: 100µg specific antibody in 200µl



Target Protein

Principal Names: FBXO43, EMI2, F-box protein 43, Fbx43, early mitotic inhibitor 2, ERP1

Official Symbol: FBXO43

Accession Number(s): NP_001025031.2

Human GeneID(s): [286151](#)

Non-Human GeneID(s): 78803 (mouse), 315034 (rat)

Immunogen

Peptide with sequence C-PGSAQSKRNLKRL, from the C Terminus of the protein sequence according to NP_001025031.2.

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 80kDa band observed in Mouse Ovary lysates (calculated MW of 78.4kDa according to NP_001025031.2). Recommended concentration: 0.3-1µg/ml. Primary incubation was 1 hour. Preliminary testing was unsuccessful on Human, Rat and Pig Testis, and Human Ovary for this particular batch.

Species Reactivity

Tested: Mouse

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

Specific References

This antibody has been successfully used in Western blot in Human:

Pasternak M, Pfender S, Santhanam B, Schuh M

The BTG4 and CAF1 complex prevents the spontaneous activation of eggs by deadenylating maternal mRNAs.

Open Biol. 2016 Sep;6(9)

PMID: 27605379

This antibody has been successfully used in Western blot in Mouse:

Bernhardt ML, Kong BY, Kim AM, O'Halloran TV, Woodruff TK.

A zinc-dependent mechanism regulates meiotic progression in mammalian oocytes.

Biol Reprod. 2012 Apr 19;86(4):114.

PMID: 22302686

This antibody has been successfully used in Western blot and Flow Cytometry in Rat:

Perrard MH, Chassaing E, Montillet G, Sabido O, Durand P.

Cytostatic Factor Proteins Are Present in Male Meiotic Cells and β -Nerve Growth Factor Increases Mos Levels in Rat Late Spermatocytes.

EB06061 (0.3µg/ml) staining of Mouse Ovary lysate (35µg protein in RIPA buffer). Detected by chemiluminescence.