

## UK Office

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

## EB08005 - Goat Anti-IGFBP3 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** IGFBP3, insulin-like growth factor binding protein 3, tcag7.703, BP-53, IBP3, IGF-binding protein 3, acid stable subunit of the 140 K IGF complex, binding protein 29, binding protein 53, growth hormone-dependent binding protein

**Official Symbol:** IGFBP3

**Accession Number(s):** NP\_001013416.1; NP\_000589.2

**Human GeneID(s):** [3486](#)

**Non-Human GeneID(s):** 16009 (mouse), 24484 (rat)

**Important Comments:** This antibody is expected to recognise both reported isoforms (NP\_001013416.1 and NP\_000589.2).

### Immunogen

Peptide with sequence C-RYKVDYESQSTDTQN, from the internal region of the protein sequence according to NP\_001013416.1; NP\_000589.2.

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 1:64000.

**Western blot:** Approx 28kDa band observed in Human Breast Cancer lysates (calculated MW of 31.7kDa according to NP\_001013416.1 and 32.2kDa according to NP\_000589.2).

Recommended concentration: 0.02-0.06µg/ml. An additional band of 50kDa was consistently observed, however this band was not blocked by the immunizing peptide and it is therefore a non-specific signal. We call for caution when used for other assays than Western blot.

### Species Reactivity

**Tested:** Human

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

EB08005 (0.02µg/ml) staining of Human Breast Cancer lysate (35µg protein in RIPA buffer) with (B) and without (A) blocking with the immunising peptide. Primary incubation was 1 hour. Detected by chemiluminescence.