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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

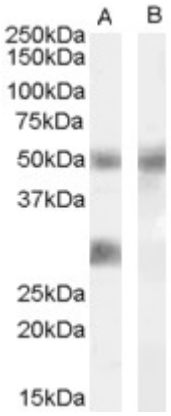
Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied at 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin.
Aliquot and store at -20°C. Minimize freezing and thawing.

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.