

## UK Office

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

## EB07253 - Goat Anti-WNT3 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** WNT3, wingless-type MMTV integration site family, member 3, INT4, MGC131950, MGC138321, MGC138323, WNT-3 proto-oncogene protein precursor

**Official Symbol:** WNT3

**Accession Number(s):** NP\_110380.1

**Human GeneID(s):** [7473](#)

**Non-Human GeneID(s):** 22415 (mouse), 24882 (rat)

### Immunogen

Peptide with sequence CGRGHNTRTEKRKEK, from the internal region of the protein sequence according to NP\_110380.1.

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 1:16000.

**Western blot:** Approx 40kDa band observed in lysates of cell line HEK293 (calculated MW of 39.6kDa according to NP\_110380.1). Recommended concentration: 1-3µg/ml. Primary incubation was 1 hour. Preliminary testing was unsuccessful on Mouse and Rat Brain for this particular batch.

**IHC:** In paraffin embedded Human Breast shows cytoplasm staining in some luminal epithelial cells. Recommended concentration: 2-4µg/ml.

### Species Reactivity

**Tested:** Human

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

### Specific References

**This antibody has been successfully used in WB and IHC in Rat:**

Wakabayashi T, Hidaka R, Fujimaki S, Asashima M, Kuwabara T.

Diabetes Impairs Wnt3 Protein-induced Neurogenesis in Olfactory Bulbs via Glutamate Transporter  
J Biol Chem. 2016 Jul 15;291(29)

PMID: 27226528

**This antibody has been successfully used in IHC in Mouse:**

Fujimaki S, Hidaka R, Asashima M, Takemasa T, Kuwabara T.

Wnt protein-mediated satellite cell conversion in adult and aged mice following voluntary wheel running.

J Biol Chem. 2014 Mar 14;289(11):7399-412.

PMID: 24482229

**This antibody has been successfully used in ICC/IF in Mouse:**

Okamoto M, Inoue K, Iwamura H, Terashima K, Soya H, Asashima M, Kuwabara T.

Reduction in paracrine Wnt3 factors during aging causes impaired adult neurogenesis.

FASEB J. 2011 Jul 11.  
PMID: 21746862

EB07253 (1µg/ml) staining of lysate of cell line HEK293 (35µg protein in RIPA buffer). Detected by chemiluminescence.

EB7253 (2µg/ml) staining of paraffin embedded Human Breast. Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.