

## UK Office

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

## EB11748 - Goat Anti-ERBB2 / HER2 Antibody

Size: 100µg specific antibody in 200µl



### Target Protein

**Principal Names:** CD340, c-erb B2/neu protein, ERBB2, HER2, HER-2, HER-2/neu, herstatin, metastatic lymph node gene 19 protein, MLN 19, NEU, neuroblastoma/glioblastoma derived oncogene homolog, NGL, p185erbB2, proto-oncogene c-ErbB-2, proto-oncogene Neu, receptor tyrosine-protein kinase erbB-2, TKR1, tyrosine kinase-type cell surface receptor HER2, v-erb-b2 avian erythroblastic leukemia viral oncogene homolog 2 (neuro/glioblastoma derived oncogene homolog), v-erb-b2 erythroblastic leukemia viral oncogene homolog 2, neuro/glioblastoma derived oncogene homolog (avian)

**Official Symbol:** ERBB2

**Accession Number(s):** NP\_004439.2; NP\_001005862.1; NP\_001276867.1; NP\_001276866.1; NP\_001369713.1; NP\_001369733.1

**Human GeneID(s):** [2064](#)

**Important Comments:** This antibody is expected to recognise multiple isoforms. The immunizing peptide represents part of the extracellular domain.

### Immunogen

Peptide with sequence PREYVNARHCLP, from the internal region of the protein sequence according to NP\_004439.2; NP\_001005862.1; NP\_001276867.1; NP\_001276866.1; NP\_001369713.1; NP\_001369733.1.

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.

**IHC:** In paraffin embedded Human breast cancer shows cell membrane and cytoplasm staining in the affected cells of Her+ type and not in triple negative type. Recommended concentration: 4-6µg/ml.

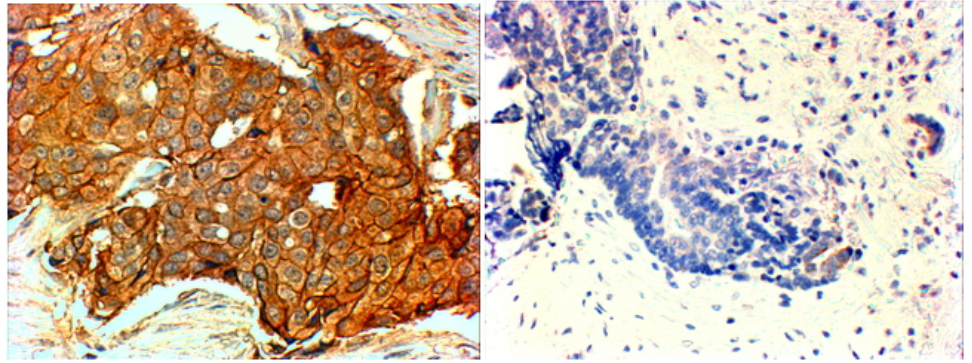
**Immunofluorescence:** Strong expression of the protein seen in U2OS cells.

Recommended concentration: 10µg/ml.

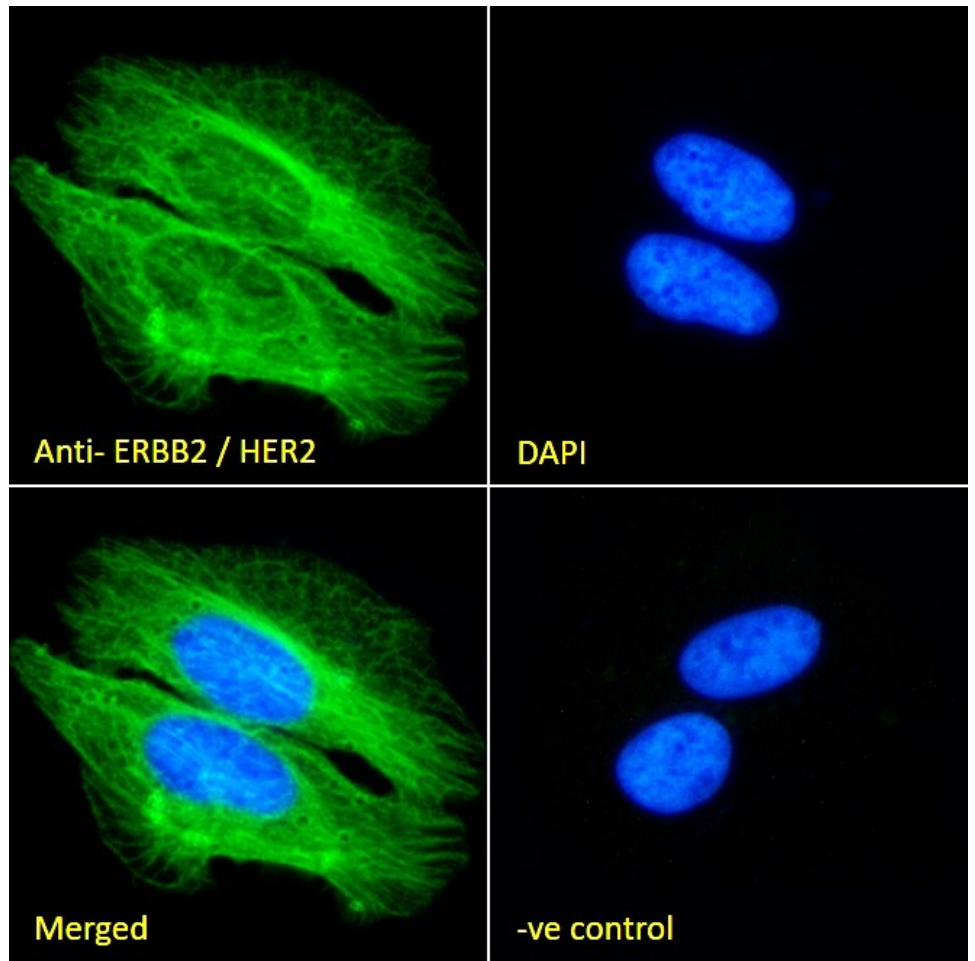
### Species Reactivity

**Tested:** Human

**Expected from sequence similarity:** Human



EB11748 (4 $\mu$ g/ml) staining of paraffin embedded Human breast cancer (Her+ left, triple negative right). Steamed antigen retrieval with citrate buffer pH 6, HRP-staining.



EB11748 Immunofluorescence analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (2 $\mu$ g/ml), showing cytoplasmic and PM/cell projection staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 $\mu$ g/ml) followed by Alexa Fluor 488 secondary antibody (2 $\mu$ g/ml).