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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 GenelD(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.

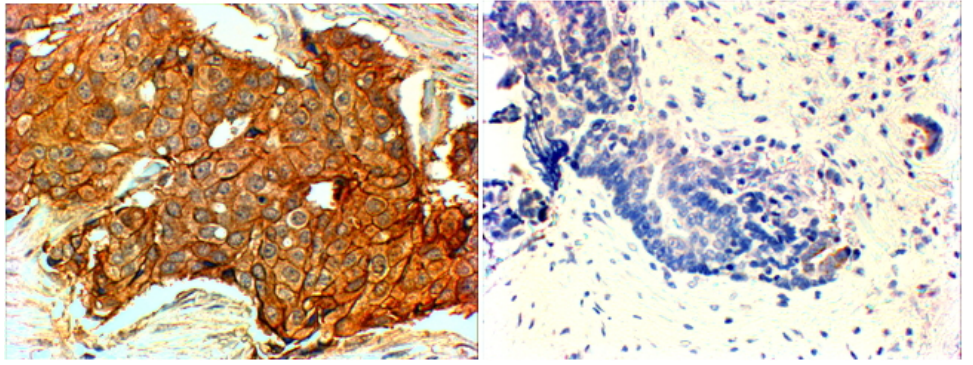
Immunofluorescence: Strong expression of the protein seen in U2OS cells. Recommended concentration: 10µg/ml.

Flow Cytometry: Flow cytometric analysis of U2OS cells. Recommended concentration: 10ug/ml.

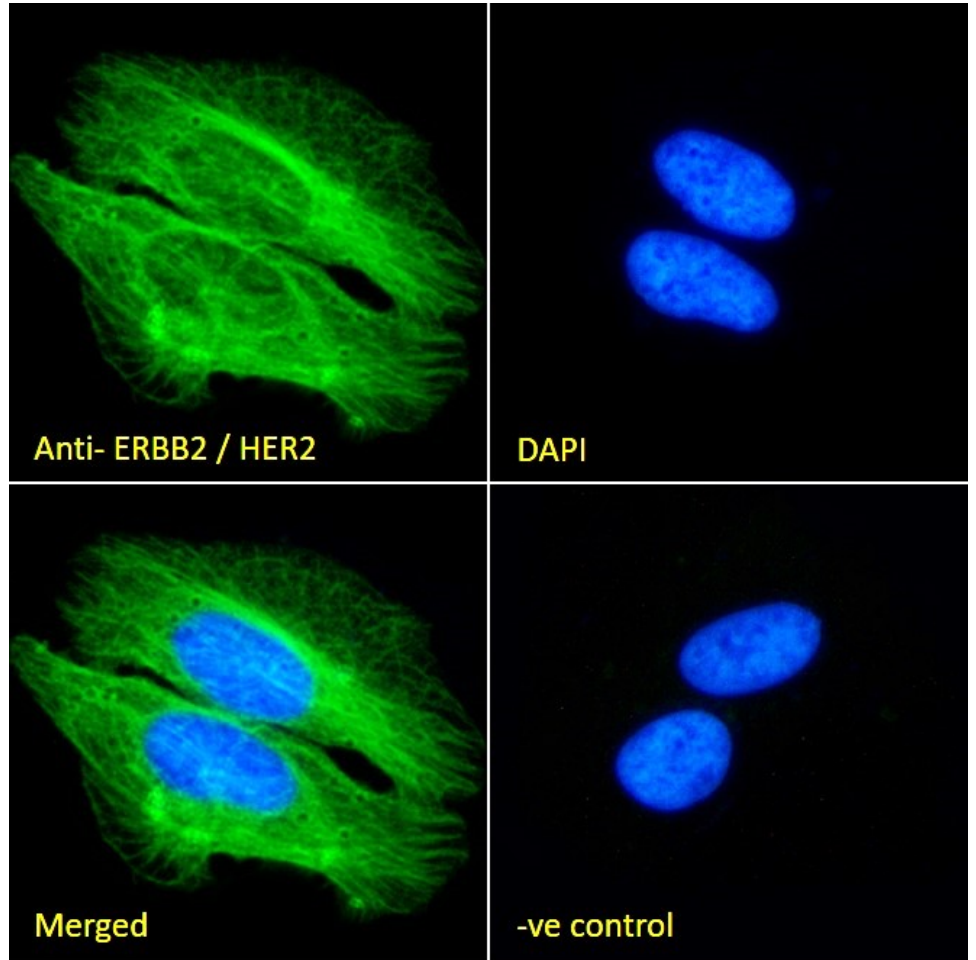
Species Reactivity

Tested: Human

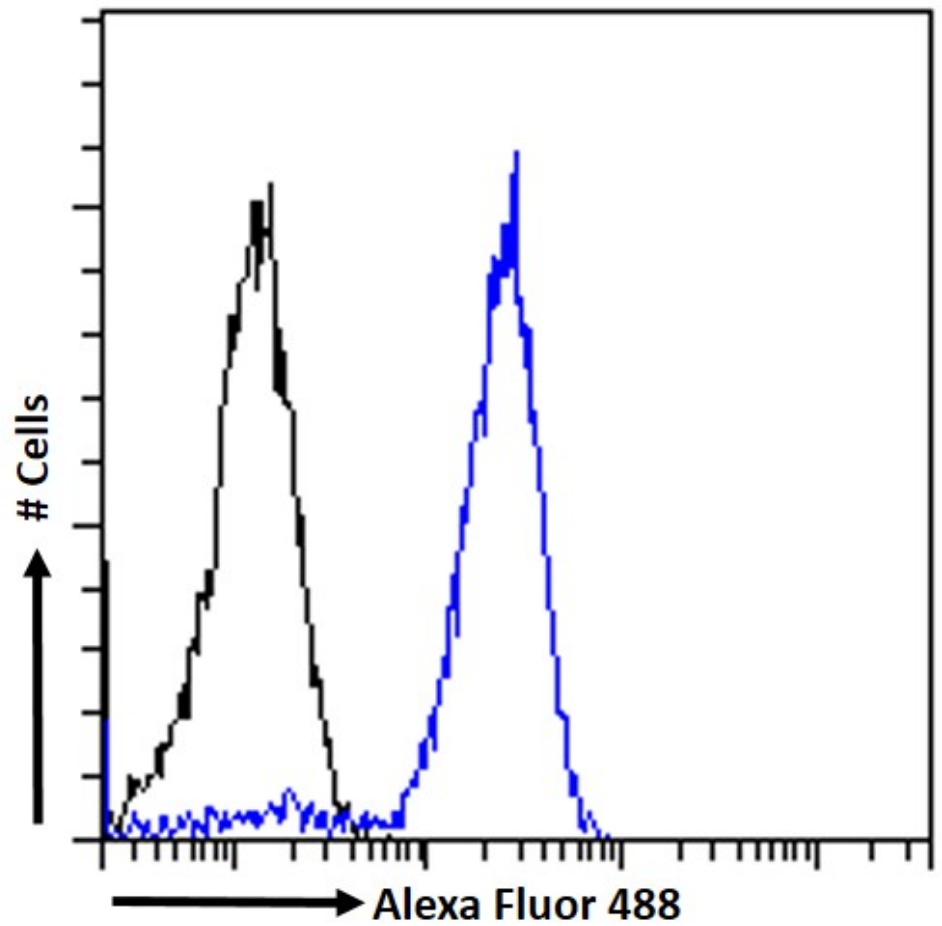
Expected from sequence similarity: Human



EB11748 (4 μ 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 μ g/ml) followed by Alexa Fluor 488 secondary antibody (2 μ g/ml), showing cytoplasmic and PM/cell projection staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10 μ g/ml) followed by Alexa Fluor 488 secondary antibody (2 μ g/ml).



EB11748 Flow cytometric analysis of paraformaldehyde fixed U2OS cells (blue line), permeabilized with 0.5% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (1ug/ml). IgG control: Unimmunized goat IgG (black line) followed by Alexa Fluor 488 secondary antibody.