Mouse ErbB2/Her2 Alexa Fluor® 488-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF5176G
100 µg

DESCRIPTION

Species Reactivity	Mouse
Specificity	Detects mouse ErbB2/Her2 in direct ELISAs and Western blots. In Western blots using recombinant protein, approximately 10% cross-reactivity with recombinant human ErbB2 is observed and less than 1% cross-reactivity with recombinant mouse (rm) Er
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse ErbB2/Her2 Thr23-Thr653 Accession # P70424
Conjugate	Alexa Fluor 488 Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

ErbB2, also called Neu and Her2 (human epidermal growth factor receptor 2), is a 185 kDa type I transmembrane glycoprotein that is a member of the ErbB family of tyrosine kinase receptors for EGF superfamily growth factors. ErbB2 is widely expressed in epithelial cells and plays roles in development, cancer, communication at the neuromuscular junction, and regulation of cell growth and differentiation. The mouse ErbB2 extracellular domain (amino acids 23-653 of 1256) shares 85% and 94% aa identity with human and rat ErbB2 ECD, respectively. The protease ADAM10 releases a 110 kDa soluble fragment of ErbB2 from the cell surface. ErbB2 has no identified ligands, but heterodimerizes with ErbB1 (EGF R), ErbB3, or ErbB4 to form higher affinity signaling complexes. The ErbB2/ErbB3 heterodimer is expressed in the majority of breast, skin, ovary and gastrointestinal tumors and transduces a highly mitogenic signal in response to neuregulin 1 (NRG1; heuregulin 1) or NRG2.

PRODUCT SPECIFIC NOTICES

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