

erbB-2 Antibody

Subcategory: Chicken Polyclonal Antibody

Cat. No.: 254068

Unit: 0.1 mg

Description:

The ErbB family consists of four closely related tyrosine kinase receptors that act as potent mediators of normal cell growth and development. Aberrant expression or function of one or more of these receptors can play a major role in the development and evolution of cancer. ErbB-2, also known as HER2, has been implicated in the evolution of both breast and gastric cancers, and is evident in other cancer types such as ovarian and salivary gland tumors. ErbB-2 possesses an active tyrosine kinase domain, but no direct ligand has been identified yet. ErbB-2 is the preferred binding partner to the other members of the ErbB family and is thought to act primarily through the Ras-MAPK, PI3k-PKB/Akt, and PLC-PKC signaling pathways. Numerous anti-cancer strategies have been employed against erbB-2, such as antibody-based therapies to prevent ligand binding or receptor activation through dimerization, antibody-dependent cell mediated cytotoxicity, in addition to direct kinase inhibition to prevent molecular activation/downstream signaling.

Isotype: Goat Ig

Applications: E, IF, IHC, WB

Species Reactivity: H, M, R

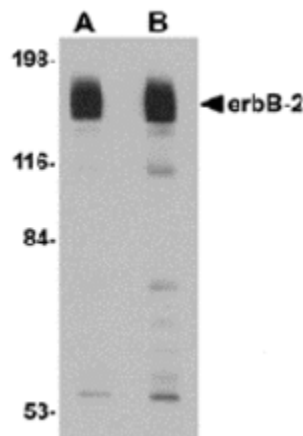
Format: Each vial contains 0.1 ml IgY in PBS pH 7.4 with 0.02% sodium azide. Antibody was purified by immunogen affinity chromatography.

Alternate Names: erbB-2; v-erb-b2 erythroblastic leukemia viral oncogene homolog 2; NEU; NGL; HER2; HER-2; TKR1; CD340

Accession No.: NP_004439

Antigen: KLH-conjugated synthetic peptide encompassing a sequence within the C-term region of human erbB-2.

Application Notes: E: 1:500-1:1,000; WB: 1:100-1:500; IHC: 1:100-1:500; IF: 1:50-1:200



Western blot analysis of erbB-2 in rat liver tissue lysate with erbB-2 Antibody (Cat. No. 254068) at (A) 1 and (B) 2 ug/mL.

Storage: Store at -20°C. Minimize freeze-thaw cycles. Product is guaranteed one year from the date of shipment.

For research use only, not for diagnostic or therapeutic procedures.