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10-7563: Monoclonal Antibody to c-erbB-2/Her2 (Clone: ABM45F5)

Clonality: Monoclonal ABM45F5 Clone Name: Application: IHC Reactivity: Human Gene: ERBB2 Gene ID: 2064 **Uniprot ID:** P04626 Format: Purified

Alternative Name: ERBB2,HER2,MLN19,NEU,NGL

Isotype: Mouse IgG2b Kappa

Immunogen Information: A partial length protein (amino acids 301-522) was used as the immunogen for this antibody (from

extra cellular domain of c-erbB-2).

Description

HER2, a known proto-oncogene, is located at the long arm of human chromosome 17 (17q12), encoding a type 1 tyrosine kinase growth factor receptor and the role of HER2 in the development of numerous types of human cancer. HER2 is a transmembrane receptor comprising an extracellular domain (ECD), a single transmembrane domain, and an intracellular domain (ICD) with tyrosine-kinase activity. The high-expression and amplification of C-erbB-2 and its protein products (P185) are found in a wide variety of tumors. HER2 is overexpressed in 10% to 35% of gastric and gastroesophageal junction (GEJ) adenocarcinomas.

Product Info

Amount: 25 μg / 100 μg

Purification: Protein G Chromatography

Content : $25 \mu g$ in 50 μ l/100 μg in 200 μ l PBS containing 0.05% BSA and 0.05% sodium azide. Sodium

azide is highly toxic.

Storage condition:

Storage condition:

Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid

repeated freeze and thaw cycles.

Application Note

Immunohistochemical analysis: 5-10 µg/ml

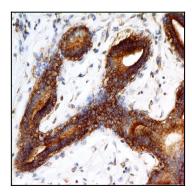


Fig-1: Immunohistochemical analysis of c-erbB2 in human Breast cancer tissue using c-erbB2 antibody (Clone: ABM45F5) at 5 $\mu g/ml.$