

## ERBB2 RABBIT PAB

**Cat.#:** S219693

**Product Name:** Anti-ERBB2 Rabbit Polyclonal Antibody

**Synonyms:** NEU; NGL; HER2; TKR1; CD340; HER-2; VSCN2; MLN 19; c-ERB2; c-ERB-2; HER-2/neu

**UNIPROT ID:** P04626 (Gene Accession - NP\_004439 )

**Background:** This gene encodes a member of the epidermal growth factor (EGF) receptor family of receptor tyrosine kinases. This protein has no ligand binding domain of its own and therefore cannot bind growth factors. However, it does bind tightly to other ligand-bound EGF receptor family members to form a heterodimer, stabilizing ligand binding and enhancing kinase-mediated activation of downstream signalling pathways, such as those involving mitogen-activated protein kinase and phosphatidylinositol-3 kinase. Allelic variations at amino acid positions 654 and 655 of isoform a (positions 624 and 625 of isoform b) have been reported, with the most common allele, Ile654/Ile655, shown here. Amplification and/or overexpression of this gene has been reported in numerous cancers, including breast and ovarian tumors. Alternative splicing results in several additional transcript variants, some encoding different isoforms and others that have not been fully characterized.

**Immunogen:** Synthetic peptide of human ERBB2

**Applications:** ELISA, WB, IHC

**Recommended Dilutions:** IHC: 50-200;WB: 1000-5000;ELISA: 5000-10000

**Host Species:** Rabbit

**Clonality:** Rabbit Polyclonal

**Isotype:** Immunogen-specific rabbit IgG

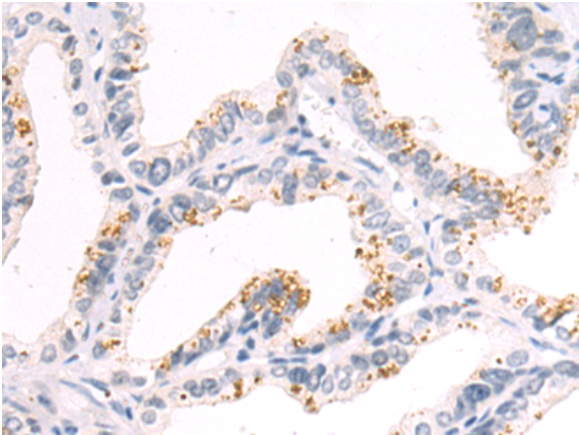
**Purification:** Antigen affinity purification

**Species Reactivity:** Human, Mouse

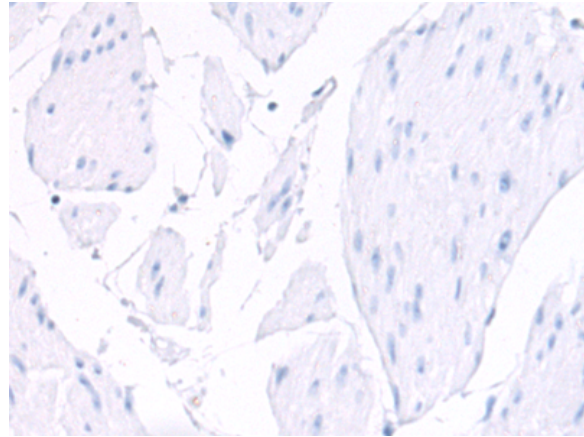
**Constituents:** PBS (without Mg<sup>2+</sup> and Ca<sup>2+</sup>), pH 7.4, 150 mM NaCl, 0.05% Sodium Azide and 40% glycerol

**Research Areas:** Cell Markers, Signal Transduction, Cancer

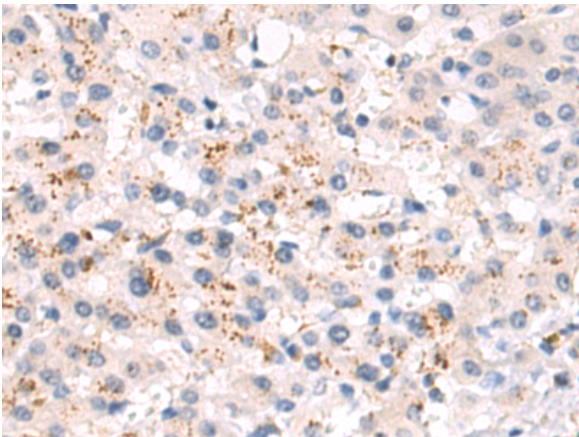
**Storage & Shipping:** Store at -20°C. Avoid repeated freezing and thawing



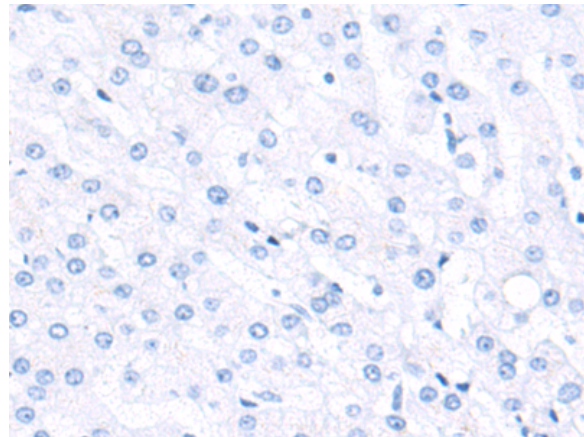
Immunohistochemistry analysis of paraffin embedded Human prostate cancer tissue using 219693(ERBB2 Antibody) at a dilution of 1/60(Cytoplasm).



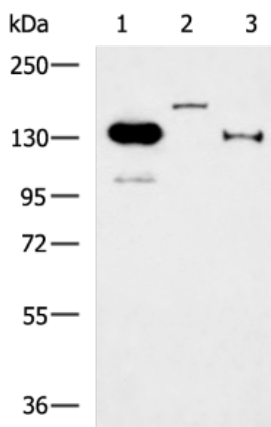
In comparison with the IHC on the left, the same paraffin-embedded Human prostate cancer tissue is first treated with the synthetic peptide and then with 219693(Anti-ERBB2 Antibody) at dilution 1/60.



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 219693(Anti-ERBB2 Antibody) at a dilution of 1/60.



In comparison with the IHC on the left, the same paraffin-embedded Human liver cancer tissue is first treated with synthetic peptide and then with D260165(Anti-ERBB2 Antibody) at dilution 1/60.



Gel: 6%SDS-PAGE, Lysate: 40 µg;  
 Lane 1-3: Mouse fetal brain tissue, MCF7, 293T cell lysates;  
 Primary antibody: 219693(ERBB2 Antibody) at dilution 1/4000;  
 Secondary antibody: HRP-conjugated Goat anti rabbit IgG at 1/5000 dilution;  
 Exposure time: 1 minute



# Product Description

Pioneering GTPase and Oncogene Product Development since 2010

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