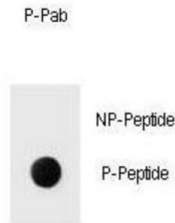
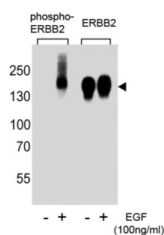


ERBB2 (pY1139) Antibody

Catalogue No.: abx032147



Dot Blot



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.

Target: ERBB2 (pY1139)**Clonality:** Polyclonal**Target Modification:** Tyr1139**Modification:** Phosphorylation**Reactivity:** Human**Tested Applications:** ELISA, WB, DB**Host:** Rabbit**Recommended dilutions:** WB: 1/4000, DB: 1/500. Optimal dilutions/concentrations should be determined by the end user.

Datasheet

Version: 2.0.0
Revision date: 04 Dec 2024



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|----------------------------|--|
| Conjugation: | Unconjugated |
| Immunogen: | KLH-conjugated synthetic phosphopeptide corresponding to amino acid residues surrounding Y1139 of human ERBB2. |
| Isotype: | IgG |
| Form: | Liquid |
| Purification: | Purified through a protein A column, followed by two-step phosphospecific peptide affinity purification. |
| Storage: | Aliquot and store at -20°C. Avoid repeated freeze/thaw cycles. |
| UniProt Primary AC: | P04626 (UniProt , ExpASY) |
| NCBI Accession: | NP_001005862.1, NP_004439.2 |
| KEGG: | hsa:2064 |
| String: | 9606.ENSP00000269571 |
| Molecular Weight: | Calculated MW: 138 kDa |
| Buffer: | PBS containing 0.09% sodium azide. |
| Note: | This product is for research use only. |

For Reference Only