



Anti-HER2 monoclonal antibody, clone 2C22 (CABT-BL8453)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	Human HER2
Immunogen	recombinant human HER2 extracellular domain
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Clone	2C22
Purification	Protein A purification
Conjugate	Unconjugated
Applications	WB, ELISA
Format	Liquid
Size	50 µl, 100 µl
Buffer	PBS with 0.09% sodium azide, 50% glycerol, pH7.4
Preservative	0.09% Sodium Azide
Storage	This antibody is shipped at 4°C. This product is stable for 12 months from date of receipt when stored at -20°C to -70°C. Avoid freeze/thaw cycles.

BACKGROUND

Introduction

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.

GENE INFORMATION

Entrez Gene ID	2064
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UniProt ID	P04626
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