

Product datasheet for DP2012

Her2 (ERBB2) Rabbit Polyclonal Antibody

Product data:

Product Type:	Primary Antibodies
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western Blot.
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Immunogen:	Recombinant Human Herstatin. The immunization antigen (43.4 kda) is a protein containing 397 AA of recombinant Human Herstatin and one extra AA, N-terminal methionin (highlighted)
Specificity:	This Antibody reacts to Herstatin.
Formulation:	0.05 M Phosphate buffer, 0.1 M NaCl, pH 7.2 without preservatives. State: Azide Free State: Lyophilized purified IgG fraction.
Reconstitution Method:	Add 0.05 ml of deionized water and let the lyophilized pellet dissolve completely. Slight turbidity may occur after reconstitution, which does not affect activity of the antibody. In this case clarify the solution by centrifugation.
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store lyophilized protein (preferably in a desiccator) at -20°C and in aliquots at -80°C. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show decline in activity after two weeks at 4°C. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	erb-b2 receptor tyrosine kinase 2
Database Link:	Entrez Gene 2064 Human P04626



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Background:	HER-2/neu (erbB-2) encodes an 185-kDa orphan receptor tyrosine kinase that is constitutively active as a dimer and displays potent oncogenic activity when overexpressed. Herstatin, as the product of an alternative HER-2 transcript, retains intron 8. The herstatin mRNA is expressed in normal human fetal kidney and liver, but is at reduced levels relative to p185HER-2 mRNA in carcinoma cells that contain an amplified HER-2 gene. Herstatin appears to be an inhibitor of p185HER-2, because it disrupts dimers, reduces tyrosine phosphorylation of p185, and inhibits the anchorage-independent growth of transformed cells that overexpress HER-2.
Synonyms:	HER-2, NEU, p185erbB2, NGL, c-erbB-2, MNL19
Protein Families:	Druggable Genome, Protein Kinase, Transmembrane
Protein Pathways:	Adherens junction, Bladder cancer, Calcium signaling pathway, Endometrial cancer, ErbB signaling pathway, Focal adhesion, Non-small cell lung cancer, Pancreatic cancer, Pathways in cancer, Prostate cancer