

# Her2/ErbB2

Catalog # PVGS1760

## Product Information

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<b>Primary Accession Species</b>	<a href="#">P04626-1</a> Human
<b>Sequence</b>	Pro489-Cys630
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC
<b>Endotoxin Level</b>	Less than 1EU per $\mu$ g by the LAL method.
<b>Biological Activity</b>	Immobilized Her2/ErbB2 Domain 4, His & Avi, Human (Cat.No.: Z03899) at 1 $\mu$ g/ml (100 $\mu$ l/Well) on the plate can bind Anti-Her2 Antibody, hFc Tag
<b>Expression System</b>	HEK293
<b>Theoretical Molecular Weight</b>	18.5 kDa
<b>Formulation Reconstitution</b>	Lyophilized from a 0.22 $\mu$ m filtered solution in PBS, pH 7.4. It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH <sub>2</sub> O more than 100 $\mu$ g/ml.
<b>Storage &amp; Stability</b>	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.

## Additional Information

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<b>Target Background</b>	ErbB2, also called Neu and Her2 (human epidermal growth factor receptor 2), is a type I membrane glycoprotein that is a member of the ErbB family of tyrosine kinase receptors. ErbB family members serve as receptors for the epidermal growth factor (EGF) family of growth factors. Upon ERBB2 activation, the MEMO1-RHOA-DIAPH1 signaling pathway elicits the phosphorylation and thus the inhibition of GSK3B at cell membrane. This prevents the phosphorylation of APC and CLASP2, allowing its association with the cell membrane.
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## Protein Information

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Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.