

# Anti-ERBB3 / HER3 Reference Antibody (Ab562)

Catalog # APR11674

## Product Information

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|--------------------------|----------------------------------------------------------------|
| <b>Application</b>       | Functional assay, Kinetics (SPR), Kinetics (BLI), FACS, E, FTA |
| <b>Primary Accession</b> | <a href="#">P21860</a>                                         |
| <b>Reactivity</b>        | Human                                                          |
| <b>Clonality</b>         | Monoclonal                                                     |
| <b>Isotype</b>           | IgG1                                                           |
| <b>Calculated MW</b>     | 148098                                                         |

## Additional Information

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|---------------------------|--------------|
| <b>Target/Specificity</b> | ERBB3 / HER3 |
| <b>Expression system</b>  | CHO          |

## Protein Information

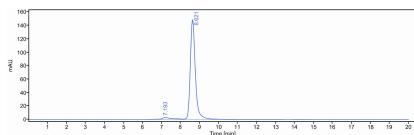
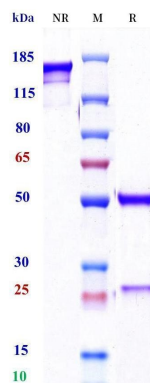
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| <b>Name</b>              | ERBB3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Synonyms</b>          | HER3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Function</b>          | Tyrosine-protein kinase that plays an essential role as cell surface receptor for neuregulins. Binds to neuregulin-1 (NRG1) and is activated by it; ligand-binding increases phosphorylation on tyrosine residues and promotes its association with the p85 subunit of phosphatidylinositol 3-kinase (PubMed: <a href="#">20682778</a> ). May also be activated by CSPG5 (PubMed: <a href="#">15358134</a> ). Involved in the regulation of myeloid cell differentiation (PubMed: <a href="#">27416908</a> ). |
| <b>Cellular Location</b> | [Isoform 1]: Cell membrane; Single-pass type I membrane protein                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Tissue Location</b>   | Epithelial tissues and brain.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

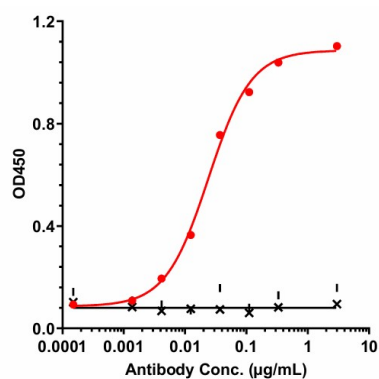
## Images

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Anti-ERBB3 / HER3 Reference Antibody (Ab562) on SDS-PAGE under reducing (R) condition. The purity of the protein is greater than 95%.



The purity of Anti-ERBB3 / HER3 Reference Antibody (Ab562) is 96.16%, determined by SEC-HPLC.



Immobilized huHER3 Fc(IgG1) at 2 ug/mL can bind Ab562, The EC50 is 0.02401 µg/mL.

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