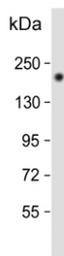


## ErbB2 Antibody / HER2 (F54939)

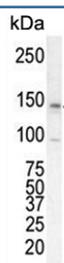
Catalog No.	Formulation	Size
F54939-0.4ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.4 ml
F54939-0.08ML	In 1X PBS, pH 7.4, with 0.09% sodium azide	0.08 ml

[Bulk quote request](#)

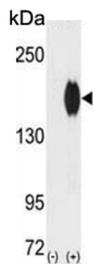
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit Ig
<b>Purity</b>	Purified
<b>UniProt</b>	P04626
<b>Applications</b>	Immunohistochemistry (FFPE) : 1:50-1:100 Western Blot : 1:500-1:1000
<b>Limitations</b>	This ErbB2 antibody is available for research use only.



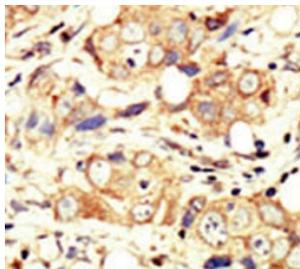
Western blot testing of human SK-BR-3 cell lysate with ErbB2 antibody. Expected molecular weight: 139-185 kDa depending on glycosylation level.



Western blot testing of human T-47D cell lysate with ErbB2 antibody. Expected molecular weight: 139-185 kDa depending on glycosylation level.



Western blot testing of 1) non-transfected and 2) transfected 293 cell lysate with ErbB2 antibody.



IHC testing of FFPE human breast cancer tissue with ErbB2 antibody. HIER: steam section in pH6 citrate buffer for 20 min and allow to cool prior to staining.

## Description

ErbB2, a member of the EGF receptor family, is an essential component of a neuregulin-receptor complex, although neuregulins do not interact with it alone. GP30 is a potential ligand for this receptor. This protein is not activated by EGF, TGF- $\alpha$  and amphiregulin. ErbB2 potentially forms a heterodimer with each of the other ERBB receptors. An interaction with PRKCABP has been suggested. Ligand-binding to this Type I membrane protein may increase phosphorylation on tyrosine residues.

## Application Notes

The stated application concentrations are suggested starting points. Titration of the ErbB2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

A portion of amino acids 1206-1236 from the human protein was used as the immunogen for the ErbB2 antibody.

## Storage

Aliquot the ErbB2 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.