

HER3 antibody

#Cat: NB-19-0021

Size: 0,1ml

Immunogen Data

Description: HER3 is a receptor tyrosine kinase (RTK) which belongs to the ErbB family of membrane RTKs. It has been involved in important developmental processes, such as heart and peripheral nervous system development. In addition, this receptor has also been implicated in the pathophysiology of several types of tumours.

Immunogen: fusion protein corresponding to an internal sequence of human HER3.

Alternative names: c-ErbB-3, Receptor tyrosine-protein kinase erbB-3.

UniProt ID: P21860.

Mol. Weight: 180 kD.

Antibody Data

Host: Rabbit

Clonality: Polyclonal

Species Reactivity: rat, mouse and human.

Concentration: serum

Volume: 100 µl **Purity:**

serum

Storage Buffer: serum with sodium azide 0.05%.

Storage Instruction: Store at 4°C.

Tested applications

The HER3 antibody is recommended for detection of HER3 of mouse, rat and human origin by Western Blotting, immunoprecipitation, and immunofluorescence.

Recommended Dilutions:

WB: 1/5000

IP: 1 µl/sample

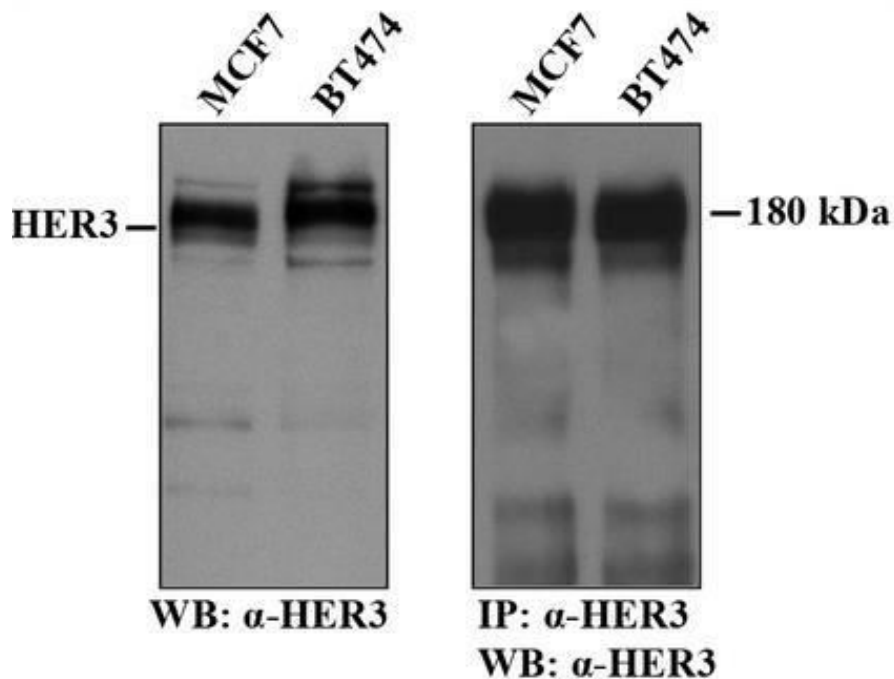
IHC/IF: 1/100

References

(1) Baselga J, Swain SM. Novel anticancer targets: revisiting ERBB2 and discovering ERBB3. *Nat Rev Cancer*. 2009 Jul;9(7):463-75.

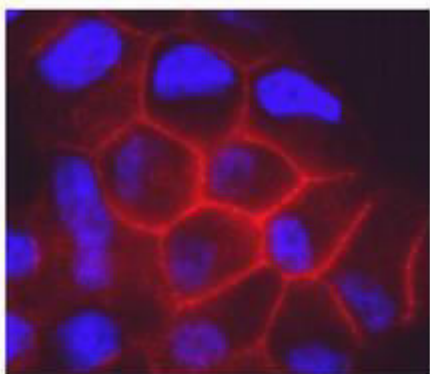
(2) Sánchez-Martín M, Pandiella A. Differential action of small molecule HER kinase inhibitors on receptor heterodimerization: therapeutic implications. *Int J Cancer*. 2012 Jul 1;131(1):244-52.

(3) Montero JC, Rodríguez-Barrueco R, Pandiella A. Transautocrine signaling by membrane neuregulins requires cell surface targeting, which is controlled by multiple domains. *J Biol Chem*. 2011 Jul 8;286(27):24350-63.



1. Western blot analysis of HER3 expression using 50 micrograms of human MCF7 and BT474 whole cell extracts.

2. Immunoprecipitation and Western blot analysis of HER3 expression using 500 micrograms of human MCF7 and BT474 cell extracts.



Immunofluorescent staining of human MCF7 cells with the anti-HER3 antibody. The anti-HER3 antibody (in red) stains the plasma membrane. The cell nuclei are stained blue.