

**ARG52859**  
**anti-ERBB4 / HER4 antibody**Package: 500 µl  
Store at: -20°C

### Summary

Product Description	Rabbit Polyclonal antibody recognizes ERBB4 / HER4
Tested Reactivity	Hu, Ms
Tested Application	IHC-P, IP, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	ERBB4 / HER4
Antigen Species	Human
Immunogen	Synthetic peptide from C-terminus of human c-erbB-4 protein.
Conjugation	Un-conjugated
Alternate Names	E4ICD; s80HER4; Proto-oncogene-like protein c-ErbB-4; p180erbB4; Tyrosine kinase-type cell surface receptor HER4; Receptor tyrosine-protein kinase erbB-4; 4ICD; EC 2.7.10.1; ALS19; HER4

### Application Instructions

Application table	Application	Dilution
	IHC-P	1:50
	IP	Assay-Dependent
	WB	1:25
Application Note	IHC-P: Incubation Time: 30 min at RT. * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	Breast Carcinoma, A431	
Calculated Mw	147 kDa	

### Properties

Form	Liquid
Purification	Immunogen affinity purified
Buffer	PBS (pH 7.6), 1% BSA and < 0.1% Sodium azide
Preservative	< 0.1% Sodium azide
Stabilizer	1% BSA
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

**Note** For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

**Database links**

[GeneID: 13869 Mouse](#)

[GeneID: 2066 Human](#)

[Swiss-port # Q15303 Human](#)

[Swiss-port # Q61527 Mouse](#)

**Background**

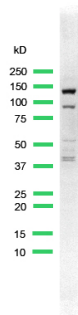
c-erbB-4 is the fourth member of class 1 receptor kinase family. HER-4 is most predominantly expressed in several breast carcinoma cell lines, and in normal skeletal muscle, heart, pituitary, brain, and cerebellum. Breast tumor cell lines T47-D, MDA-MB-453, BT-474 and H3396 are found to have the highest levels of mRNA, and intermediate levels are seen in MCF-7, MDA-MB-330 and MDA-MB-361. Expression of erbB-4 is low or absent in some breast tumor cell lines such as MDA-MB-231, MDA-MB-157, MDA-MB-468, and SKBR-3.

**Research Area** Cancer antibody; Controls and Markers antibody; Signaling Transduction antibody

**Cellular Localization** Cytoplasm, Membrane

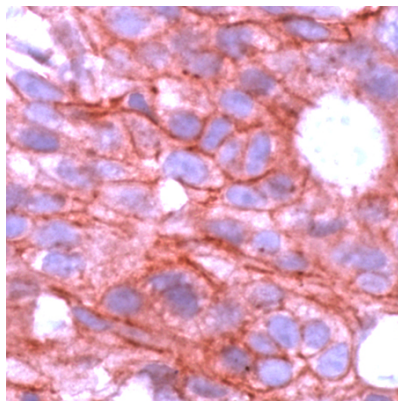
## Images

ARG52859 anti-ERBB4 / HER4 antibody WB image



Western blot: A431 cell lysate stained with ARG52859 anti-ERBB4 / HER4 antibody.

ARG52859 anti-ERBB4 / HER4 antibody IHC-P image



Immunohistochemistry: Human Breast Carcinoma stained with ARG52859 anti-ERBB4 / HER4 antibody.