

# Product Datasheet

## ErbB4/Her4 Antibody - BSA Free NBP1-33120

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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Updated 2/21/2025 v.20.1

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**NBP1-33120**

ErbB4/Her4 Antibody - BSA Free

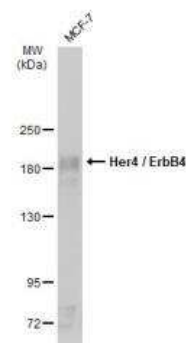
Product Information	
<b>Unit Size</b>	0.1 ml
<b>Concentration</b>	Concentrations vary lot to lot. See vial label for concentration. If unlisted please contact technical services.
<b>Storage</b>	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
<b>Clonality</b>	Polyclonal
<b>Preservative</b>	0.025% Proclin 300
<b>Isotype</b>	IgG
<b>Purity</b>	Antigen Affinity-purified
<b>Buffer</b>	PBS (pH 7), 20% Glycerol
<b>Target Molecular Weight</b>	147 kDa

Product Description	
<b>Host</b>	Rabbit
<b>Gene ID</b>	2066
<b>Gene Symbol</b>	ERBB4
<b>Species</b>	Human, Mouse, Rat
<b>Reactivity Notes</b>	Chicken (88%), Xenopus laevis (86%).
<b>Immunogen</b>	Recombinant protein encompassing a sequence within the C-terminus region of human ErbB4/Her4. The exact sequence is proprietary.

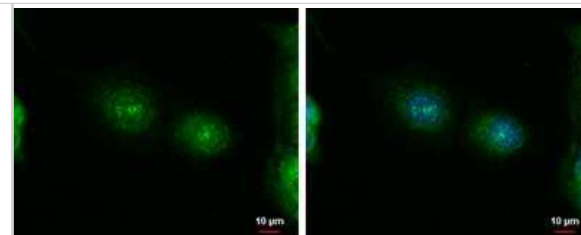
Product Application Details	
<b>Applications</b>	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
<b>Recommended Dilutions</b>	Western Blot 1:1000-1:10000, Immunohistochemistry 1:100-1:1000, Immunocytochemistry/ Immunofluorescence 1:100-1:1000, Immunoprecipitation 1:100-1:500, Immunohistochemistry-Paraffin 1:100-1:1000

**Images**

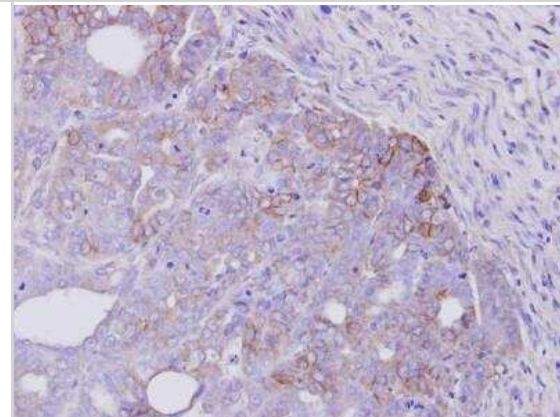
Western Blot: ErbB4/Her4 Antibody [NBP1-33120] - Whole cell extract (30 ug) was separated by 5% SDS-PAGE, and the membrane was blotted with Her4 / ErbB4 antibody [C1C3] diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



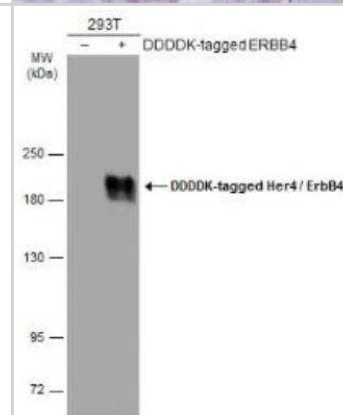
Immunocytochemistry/Immunofluorescence: ErbB4/Her4 Antibody [NBP1-33120] - MCF-7 cells were fixed in ice-cold MeOH for 5 min. Green: ERBB4 protein stained by ERBB4 antibody [C1C3] diluted at 1:500. Blue: Hoechst 33342 staining.



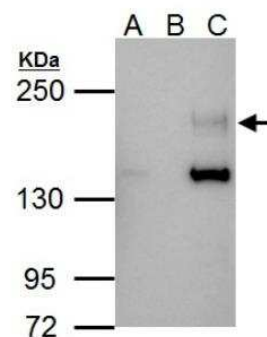
Immunohistochemistry-Paraffin: ErbB4/Her4 Antibody [NBP1-33120] - NCIN87 xenograft, using ERBB4(v-erb-A) antibody at 1:500 dilution. Antigen Retrieval: Trilogy™ (EDTA based, pH 8.0) buffer, 15min.



Western Blot: ErbB4/Her4 Antibody [NBP1-33120] - Non-transfected (-) and transfected (+) 293T whole cell extracts (30 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with Her4 / ErbB4 antibody [C1C3] diluted at 1:5000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



Immunoprecipitation: ErbB4/Her4 Antibody [NBP1-33120] - Immunoprecipitation of Her4 / ErbB4 protein from MCF-7 whole cell extract using 4.5 ug of Her4 / ErbB4 antibody [C1C3]. Western blot analysis was performed using Her4 / ErbB4 antibody [C1C3] and diluted at 1:500. EasyBlot HRP-conjugated anti rabbit IgG antibody was used to detect the primary antibody.



Western Blot: ErbB4/Her4 Antibody [NBP1-33120] - Various tissue extracts (50 ug) were separated by 5% SDS-PAGE, and the membrane was blotted with ErbB4/Her4 antibody [C1C3] (NBP1-33120) diluted at 1:1000. The HRP-conjugated anti-rabbit IgG antibody was used to detect the primary antibody.



## Publications

Keady J, Fisher M, Anderson E et al. Age Specific Impacts of Nicotine and Withdrawal on Hippocampal Neuregulin Signaling *The European journal of neuroscience* 2022-07-28 [PMID: 35899607]

Hsu FN, Yang MS, Lin E et al. The significance of Her2 on androgen receptor protein stability in the transition of androgen requirement in prostate cancer cells. *Am J Physiol Endocrinol Metab* 2011-05-01 [PMID: 21364123] (WB, Human)



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### **Products Related to NBP1-33120**

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HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NB7160	Goat anti-Rabbit IgG (H+L) Secondary Antibody [HRP]
NBP2-24891	Rabbit IgG Isotype Control
NBP1-90371PEP	ErbB4/Her4 Recombinant Protein Antigen

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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