

bs-3220R**[Primary Antibody]**

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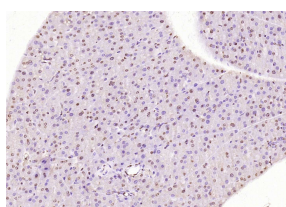
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Phospho-HER4 (Tyr1284) Rabbit pAb

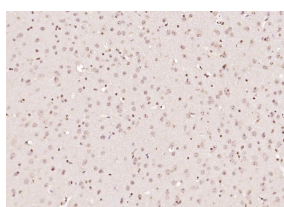
— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 2066 Target: Phospho-HER4 (Tyr1284) Immunogen: KLH conjugated Synthesised phosphopeptide derived from human HER4 around the phosphorylation site of Tyr1284: PE(p-Y)LS. Purification: affinity purified by Protein A Concentration: 1mg/ml Storage: 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles. Background: This gene is a member of the Tyr protein kinase family and the epidermal growth factor receptor subfamily. It encodes a single-pass type I membrane protein with multiple cysteine rich domains, a transmembrane domain, a tyrosine kinase domain, a phosphatidylinositol-3 kinase binding site and a PDZ domain binding motif. The protein binds to and is activated by neuregulins and other factors and induces a variety of cellular responses including mitogenesis and differentiation. Multiple proteolytic events allow for the release of a cytoplasmic fragment and an extracellular fragment. Mutations in this gene have been associated with cancer. Alternatively spliced variants which encode different protein isoforms have been described; however, not all variants have been fully characterized. [provided by RefSeq, Jul 2008].	Isotype: IgG SWISS: Q15303	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500) Reactivity: Human, Mouse (predicted: Rat) Predicted MW.: 142 kDa Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus
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— VALIDATION IMAGES —



Paraformaldehyde-fixed, paraffin embedded (mouse pancreas tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-HER4 (Tyr1284)) Polyclonal Antibody, Unconjugated (bs-3220R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.



Paraformaldehyde-fixed, paraffin embedded (mouse brain tissue); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (Phospho-HER4 (Tyr1284)) Polyclonal Antibody, Unconjugated (bs-3220R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.

— SELECTED CITATIONS —

- **[IF=4.4]** Rui Liu. et al.Targeted ErbB4 receptor activation prevents D-galactose-induced neuronal senescence via inhibiting ferroptosis pathway.Frontiers in Pharmacology.2025 Jan 31;16:1528604. Western blot ;Mouse. 39959423
- **[IF=1.8]** Xin-yu Qiao. et al. Involvement of CXCL10 in Neuronal Damage under the Condition of Spinal Cord Injury and

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the Potential Therapeutic Effect of Nrg1. J INTEGR NEUROSCI. 2023 Jul;22(4):96 WB ;Mouse. 37519170