

bs-3220R**[Primary Antibody]****phospho-HER4 (Tyr1284) Rabbit pAb****Bioss**
ANTIBODIES

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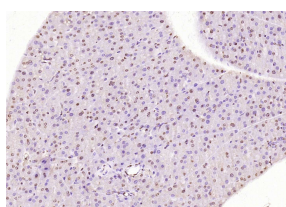
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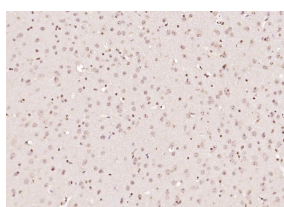
400-901-9800

— DATASHEET —

Host: Rabbit	Isotype: IgG	Applications: IHC-P (1:100-500) IHC-F (1:100-500) IF (1:100-500)
Clonality: Polyclonal		
GeneID: 2066	SWISS: Q15303	
Target: HER4 (Tyr1284)		Reactivity: Human, Mouse (predicted: Rat)
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		Predicted MW.: 142 kDa
Concentration: 1mg/ml		Subcellular Location: Cell membrane ,Cytoplasm ,Nucleus
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].		

— 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=10.1]** Liu Chong. et al. Targeted activation of ErbB4 receptor ameliorates neuronal deficits and neuroinflammation in a food-borne polystyrene microplastic exposed mouse model. J NEUROINFLAMM. 2025 Dec;22(1):1-20 IF ;Mouse. 40089796

Important Note: This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

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