### bs-22050R

## [ Primary Antibody ]

# ErbB 4 Rabbit pAb

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DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GenelD: 2066 SWISS:** Q15303

Target: ErbB 4

Immunogen: KLH conjugated synthetic peptide derived from human ErbB 4:

1201-1300/1308. < Cytoplasmic >

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 singlepass type I membrane protein with multiple cysteine rich domains, a transmembrane domain, a tyrosine kinase domain, a phosphotidylinositol-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].

Applications: WB (1:500-2000)

**IHC-P** (1:100-500) **IHC-F** (1:100-500) **IF** (1:100-500)

Reactivity: Human, Rat

(predicted: Mouse, Rabbit, Sheep, Cow, Chicken,

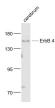
Horse)

Predicted 142 kDa MW.:

Subcellular Cell membrane, Cytoplasm

Location: , Nucleus

## VALIDATION IMAGES



Sample: Cerebrum (Rat) Lysate at 40 ug Primary: Anti- ErbB 4 (bs-22050R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 142 kD Observed band size: 142 kD



Paraformaldehyde-fixed, paraffin embedded (human rectal carcinoma); 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 (ErbB 4) Polyclonal Antibody, Unconjugated (bs-22050R) 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 (rat brain); 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 (ErbB 4) Polyclonal Antibody, Unconjugated (bs-22050R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.