# bs-0996R

# [ Primary Antibody ]

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# EphB2 Rabbit pAb

DATASHEET -

Host: Rabbit Isotype: IgG

Clonality: Polyclonal

**GeneID: 2048 SWISS:** P29323

Target: EphB2

**Immunogen:** KLH conjugated synthetic peptide derived from human EPHB2:

551-650/1055.

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 encodes a member of the Eph receptor family of receptor tyrosine kinase transmembrane glycoproteins. These receptors are composed of an Nterminal glycosylated ligand-binding domain, a transmembrane region and an intracellular kinase domain. They bind ligands called ephrins and are involved in diverse cellular processes including motility, division, and differentiation. A distinguishing characteristic of Eph-ephrin signaling is that both receptors and ligands are competent to transduce a signaling cascade, resulting in bidirectional signaling. This protein belongs to a subgroup of the Eph receptors called EphB. Proteins of this subgroup are distinguished from other members of the family by sequence homology and preferential binding affinity for membrane-bound ephrin-B ligands. Allelic variants are associated with prostate and brain cancer susceptibility. Alternative splicing results in multiple transcript variants. [provided by RefSeq, May 2015]

Applications: WB (1:500-2000)

Flow-Cyt (3ug/Test)

Reactivity: Human, Mouse, Rat

(predicted: Cow, Chicken,

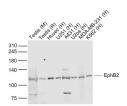
Dog)

Predicted

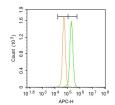
108 kDa MW.:

Subcellular Cell membrane

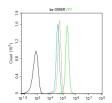
### VALIDATION IMAGES



Sample: Lane 1: Testis (Mouse) Lysate at 40 ug Lane 2: Testis (Rat) Lysate at 40 ug Lane 3: Huvec (Human) Cell Lysate at 30 ug Lane 4: U251 (Human) Cell Lysate at 30 ug Lane 5: A431 (Human) Cell Lysate at 30 ug Lane 6: U2os (Human) Cell Lysate at 30 ug Lane 7: MDA-MB-231 (Human) Cell Lysate at 30 ug Lane 8: K562 (Human) Cell Lysate at 30 ug Primary: Anti-EphB2 (bs-0996R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 125 kD Observed band size: 120 kD



Blank control: A431. Primary Antibody (green line): Rabbit Anti-EphB2 antibody (bs-0996R) Dilution: 3µg/10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody: Goat anti-rabbit IgG-AF647 Dilution: 3ug /test, Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 20% PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature .Cells stained with Primary Antibody for 30 min at room temperature. The



Blank control (Black line): A431 (Black). Primary Antibody (green line): Rabbit Anti-EphB2 antibody (bs-0996R) Dilution: 1µg/10^6 cells; Isotype Control Antibody (orange line): Rabbit IgG . Secondary Antibody (white blue line): Goat anti-rabbit IgG-AF647 Dilution: 1µg /test. Protocol The cells were fixed with 4% PFA (10min at room temperature) and then permeabilized with 0.1% PBST for 20 min at room temperature. The cells were then incubated in 5%BSA to block non-specific protein-protein interactions for 30 min at room temperature. Cells stained with Primary Antibody secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

for 30 min at room temperature. The secondary antibody used for 40 min at room temperature. Acquisition of 20,000 events was performed.

## - SELECTED CITATIONS -

- [IF=11.47] Choi, Won Hoon, et al. "Open-gate mutants of the mammalian proteasome show enhanced ubiquitin-conjugate degradation." Nature Communications 7 (2016). WB; Human. 26957043
- [IF=2.63] Yang Xuesong. et al. Intervention Mechanism of Hunag-Lian Jie-Du Decoction on Canonical Wnt/β-Catenin Signaling Pathway in Psoriasis Mouse Model. EVID-BASED COMPL ALT. 2022;2022:3193572 WB; Mouse. 35463060
- [IF=2.303] Junjun Ling. et al. EPHB2 as a recurrence-related gene and a prognostic indicator in nasopharyngeal carcinoma: A bioinformatics screening and immunohistochemistry verification. HISTOL HISTOPATHOL. 2022 Apr 20;18459 IHC; Human. 35441696