bs-7044R **[Primary Antibody]**

EphB1+EphB2 Rabbit pAb

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DATASHEET

Host: Rabbit **Isotype:** IgG

Clonality: Polyclonal

GeneID: 2047 **SWISS:** P54762

Target: EphB1+EphB2

Immunogen: KLH conjugated synthetic peptide derived from human EphB1+EphB2: 901-984/984.

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: Ephrin receptors bind members of the ephrin ligand family. They are divided into 2 groups based on the similarity of their extracellular domain sequences and their affinities for binding ephrin-A and ephrin-B ligands. They make up the largest subgroup of the receptor tyrosine kinase (RTK) family. Eph receptor B1 (EphB1) and Eph receptor B2 (EphB2) are receptors for ephrin-B family members. Developing and adult neural tissue express nearly all of the Ephrin receptors and ephrin ligands. Ephrins and ephrin receptors also play a significant role in angiogenesis. EphB2 acts as a tumor suppressor.

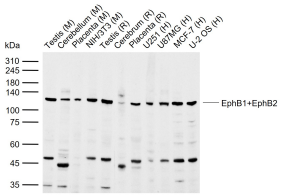
Applications: **WB** (1:500-2000)

Reactivity: Human, Mouse, Rat (predicted: Pig, Cow, Chicken, Dog, Horse)

Predicted MW.: 110 kDa

Subcellular Location: Cell membrane

VALIDATION IMAGES



Sample: Lane 1: Mouse Testis tissue lysates Lane 2: Mouse Cerebellum tissue lysates Lane 3: Mouse Placenta tissue lysates Lane 4: Mouse NIH/3T3 cell lysates Lane 5: Rat Testis tissue lysates Lane 6: Rat Cerebellum tissue lysates Lane 7: Rat Placenta tissue lysates Lane 8: Human U251 cell lysates Lane 9: Human U87MG cell lysates Lane 10: Human MCF-7 cell lysates Lane 11: Human U-2 OS cell lysates Primary: Anti-EphB1+EphB2 (bs-7044R) at 1/1000 dilution Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 110 kDa Observed band size: 120 kDa

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