

bs-11508R**[Primary Antibody]****BBS4 Rabbit pAb****BioSS**
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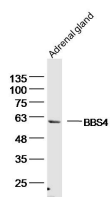
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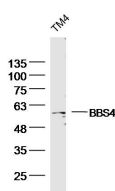
400-901-9800

— DATASHEET —

Host: Rabbit Clonality: Polyclonal GeneID: 585 Target: BBS4 Immunogen: KLH conjugated synthetic peptide derived from human BBS4: 431-519/519. 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: Bardet-Biedl syndrome (BBS) is a pleiotropic genetic disorder characterized by obesity, photoreceptor degeneration, polydactyly, hypogenitalism, renal abnormalities, and developmental delay. Other associated clinical findings in BBS patients include diabetes, hypertension, and congenital heart defects. BBS is a heterogeneous disorder; BBS genes map to eight genetic loci and encode eight proteins, BBS1-BBS8. Five BBS genes encode basal body or cilia proteins, suggesting that BBS is a ciliary dysfunction disorder. BBS4 is expressed in the olfactory epithelium and localizes to the centriolar satellites of centrosomes and basal bodies of primary cilia. BBS4 regulates the p150 subunit of the dynein transport machinery (DCTN1) to attract pericentriolar material-1 protein (PCM1) and its associated components to the satellites. Loss of BBS4 is correlated with obesity caused by abnormal lipid profiles, liver dysfunction, elevated insulin, and abnormal leptin levels.	Isotype: IgG SWISS: Q96RK4 Applications: WB (1:500-2000) Reactivity: Mouse (predicted: Human, Rat, Pig, Sheep, Cow, Dog, Horse) Predicted MW.: 58 kDa Subcellular Location: Cell membrane ,Cytoplasm
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— VALIDATION IMAGES —

Sample: Adrenal gland (Mouse) Lysate at 40 ug
Primary: Anti-BBS4 (bs-11508R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 58 kD
Observed band size: 58 kD



Sample: TM4 Cell (Mouse) Lysate at 40 ug
Primary: Anti-BBS4 (bs-11508R) at 1/300 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution Predicted band size: 58 kD
Observed band size: 58 kD