产品名称：BBS1 Rabbit Monoclonal Antibody
产品货号：AMRe03917

产品概述（Summary）

产品名称（Production Name）	BBS1 Rabbit Monoclonal Antibody
描述（Description）	Recombinant rabbit monoclonal antibody
宿主（Host）	Rabbit
应用（Application）	WB,ICC/IF
种属反应性（Reactivity）	Human, Mouse, Rat

产品性能（Performance）

偶联物（Conjugation）	Unconjugated
修饰（Modification）	Unmodified
同种型（Isotype）	IgG
克隆（Clonality）	Monoclonal
形式（Form）	Liquid
存放说明（Storage）	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液（Buffer）	Liquid in 50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% protective protein.
纯化方式（Purification）	Affinity Purification

免疫原信息（Immunogen）

基因名（Gene Name）	BBS1
别名（Alternative Names）	BBS1,BBS2L2,Bardet-Biedl syndrome 1 protein,BBS2-like protein 2
基因 ID（Gene ID）	582.0
蛋白 ID（SwissProt ID）	Q8NFJ9.

产品应用（Application）

稀释比（Dilution Ratio）	WB 1:500-1:1000,ICC/IF 1:50-1:200
蛋白分子量（Molecular Weight）	Calculated MW:65 kDa;Observed MW: 65 kDa

研究背景（Background）

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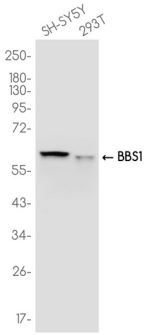
The BBSome complex is thought to function as a coat complex required for sorting of specific membrane proteins to the primary cilia. The BBSome complex is required for ciliogenesis but is dispensable for centriolar satellite function. This ciliogenic function is mediated in part by the Rab8 GDP/GTP exchange factor, which localizes to the basal body and contacts the BBSome. Rab8(GTP) enters the primary cilium and promotes extension of the ciliary membrane. Firstly the BBSome associates with the ciliary membrane and binds to RAB3IP/Rabin8, the guanosyl exchange factor (GEF) for Rab8 and then the Rab8-GTP localizes to the cilium and promotes docking and fusion of carrier vesicles to the base of the ciliary membrane. The BBSome complex, together with the LTZL1, controls SMO ciliary trafficking and contributes to the sonic hedgehog (SHH) pathway regulation. Required for proper BBSome complex assembly and its ciliary localization (PubMed:17574030, PubMed:22072986).
Plays a role in olfactory cilium biogenesis/maintenance and trafficking (By similarity).

研究领域（Research Area）

Neuroscience

图片（Image Data）



Western blot analysis of BBS1 in SH-SY5Y, 293T lysates using BBS1 antibody.

注意事项（Note）

For research use only .