Product Datasheet

Anti- P-BBS5（Ser246） Rabbit pAb

WL06258

For Research Use Only.Not For Use In Diagnostic Procedures

Product Information

Product name	Anti- P-BBS5（Ser246） Rabbit pAb
Source	Rabbit
Species reactivity	Human, Mouse, Rat
Tested applications	WB 1:500-1:1000 IHC, IF 1:50-1:200
Cellular localization	Cell membrane. Cell projection. Cytoplasm. Cytoskeleton.
Pack size	50/100/200/500/1000μl
Storage	Store at -20°C. Avoid freeze/thaw cycles.
Storage buffer	Supplied in 20 mM phosphate (pH 7.5), 150 mM NaCl, 100 μg/ml BSA, 50% glycerol and less than 0.02% sodium azide

General Information

Background

BBSOME complexes are considered to be the mantle complexes required for sorting specific membrane proteins into primary cilia. The BBSOME complex is required for ciliary development, but is assignable for central satellite function. This ciliary generation function is partially mediated by RAB8 GDP/GTP exchange factor, which is located in the basal body and contacts BBSOME. Rab8 (GTP) enters the primary cilia and promotes the extension of the ciliary membrane. Firstly, BBSOME binds to the ciliary membrane and binds to Rab3ip/Rabin8, the bird amino exchange factor (GEF) of Rab8. Then Rab8 GTP is localized to the cilia and promotes the docking and fusion of carrier vesicles to the base of the ciliary membrane. The BBSOME complex, together with LTZL1, controls SMO ciliary transport and contributes to the Sonic Hedgehog (SHH) pathway. BBSOME composite ciliary localization is necessary, but does not require appropriate composite components.

Immunogen

Polyclonal antibody is produced by immunizing animals with a synthetic peptide of P-BBS5（Ser246）.

Purification

Polyclonal antibody was purified by immunogen affinity chromatography.

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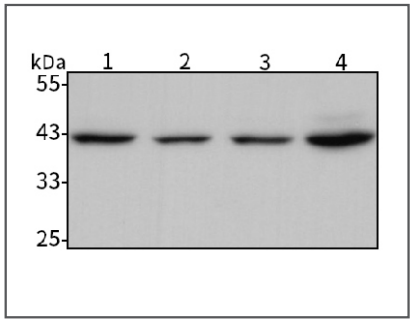
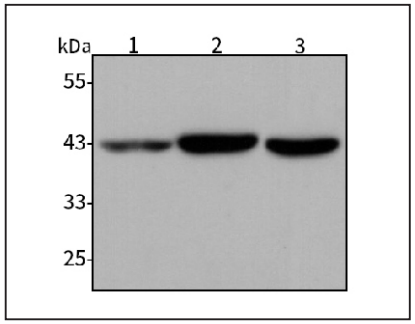
Product Images



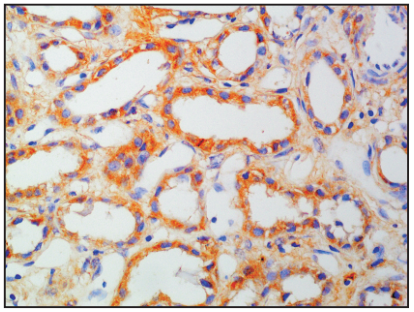
Western blot-Anti- P-BBS5（Ser246） pAb

Lane 1: Human HEK293 cell lasate
Lane 2: Human HCT116 cell lasate
Lane 3: Human MDA-MB-231 cell lasate
Lane 4: Human A549 cell lasate
All lanes: Anti- P-BBS5（Ser246） at 1:1000 dilution
Lysates/proteins at 20-50 μg per lane.
Predicted band size: 39 kDa
Observed band size: 43 kDa



Western blot-Anti- P-BBS5（Ser246） pAb

Lane 1: Mouse kidney tissue lysate
Lane 2: Rat heart tissue lysate
Lane 3: Rat liver tissue lysate
All lanes: Anti- P-BBS5（Ser246） at 1:1000 dilution
Lysates/proteins at 20-50 μg per lane.
Predicted band size: 39 kDa
Observed band size: 43 kDa



Immunohistochemistry-Anti- P-BBS5（Ser246） pAb

Immunohistochemical analysis of paraffin-embedded human kidney cancer using anti- P-BBS5（Ser246） Rabbit Antibody at 1:100 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0

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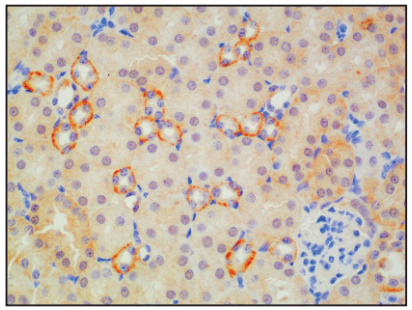
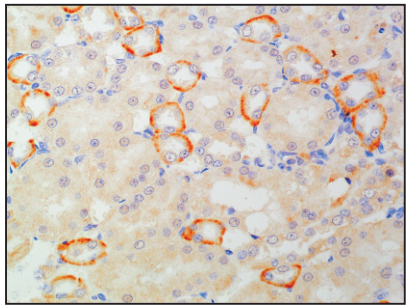


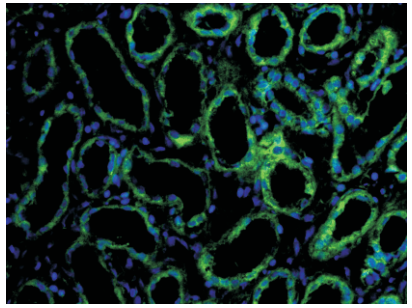
Immunohistochemistry-Anti- P-BBS5（Ser246） pAb

Immunohistochemical analysis of paraffin-embedded mouse kidney using anti- P-BBS5（Ser246） Rabbit Antibody at 1:100 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunohistochemistry-Anti- P-BBS5（Ser246） pAb

Immunohistochemical analysis of paraffin-embedded rat kidney using anti- P-BBS5（Ser246） Rabbit Antibody at 1:100 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0



Immunofluorescence-Anti- P-BBS5（Ser246） pAb

Immunofluorescence analysis of paraffin-embedded human kidney cancer using anti- P-BBS5（Ser246） Rabbit Antibody at 1:100 dilution.
Perform heat mediated antigen retrieval with Tris-EDTA buffer pH 9.0