ARG45226
anti-BBS9 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes BBS9
Tested Reactivity	Hu, Ms, Rat, Mk
Tested Application	FACS, IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	BBS9
Species	Human
Immunogen	Recombinant protein containing to human BBS9.
Conjugation	Un-conjugated
Alternate Names	BBS9; Bardet-Biedl Syndrome 9; PTHB1; B1; Parathyroid Hormone-Responsive B1 Gene Protein; Bardet-Biedl Syndrome 9 Protein; Protein PTHB1; Parathyroid Hormone Responsive B1 Gene; PTH-Responsive Osteosarcoma B1 Protein; C18; D1

Application Instructions

Application table

Application	Dilution
FACS	1 - 3 µg/10^6 cells
IHC-P	2-5 µg/ml
WB	0.25-0.5 µg/ml

Application Note: * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Observed Size: 99 kDa

Properties

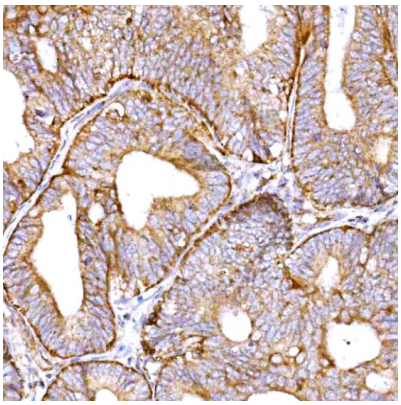
Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na2HPO4, 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

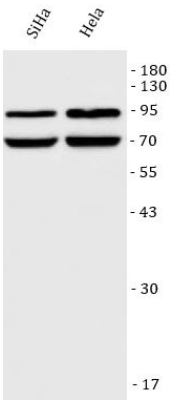
Gene Symbol	BBS9
Gene Full Name	Bardet-Biedl Syndrome 9
Background	This gene is downregulated by parathyroid hormone in osteoblastic cells, and therefore is thought to be involved in parathyroid hormone action in bones. The exact function of this gene has not yet been determined. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jan 2017]
Function	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. Required for proper BBSome complex assembly and its ciliary localization. [UniProt]
Calculated Mw	99 kDa
Cellular Localization	Cell membrane; Cell projection; Cilium; Cytoplasm; Cytoskeleton. [UniProt]

Images



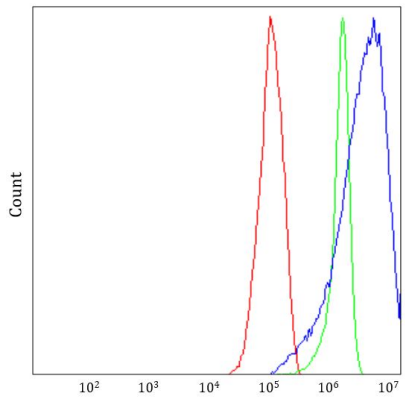
ARG45226 anti-BBS9 antibody IHC-P image

Immunohistochemistry: Human rectal cancer stained with ARG45226 anti-BBS9 antibody at 2 µg/ml dilution.



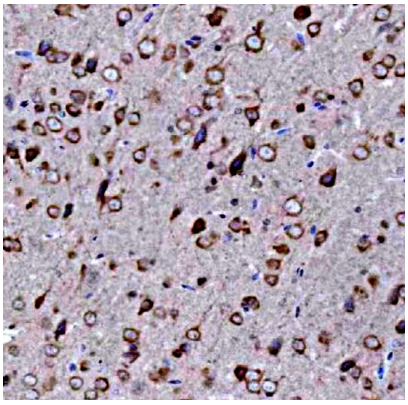
ARG45226 anti-BBS9 antibody WB image

Western blot: SiHa and Hela stained with ARG45226 anti-BBS9 antibody at 0.5 µg/ml dilution.



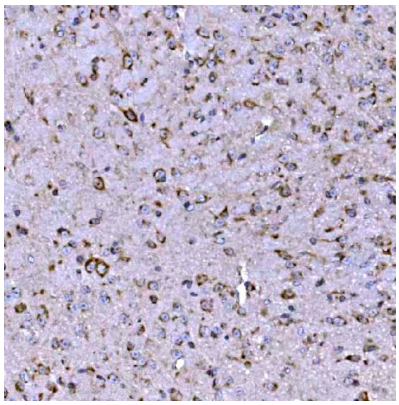
ARG45226 anti-BBS9 antibody FACS image

Flow Cytometry: RT4 stained with ARG45226 anti-BBS9 antibody at 1 µg/10^6 cells dilution.



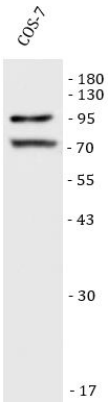
ARG45226 anti-BBS9 antibody IHC-P image

Immunohistochemistry: Rat brain stained with ARG45226 anti-BBS9 antibody at 2 µg/ml dilution.



ARG45226 anti-BBS9 antibody IHC-P image

Immunohistochemistry: Mouse brain stained with ARG45226 anti-BBS9 antibody at 2 µg/ml dilution.



ARG45226 anti-BBS9 antibody WB image

Western blot: Cos-7 stained with ARG45226 anti-BBS9 antibody at 0.5 µg/ml dilution.