

Product datasheet

Anti-BBS9 antibody ab223699

1 Image

Overview

<b>Product name</b>	Anti-BBS9 antibody
<b>Description</b>	Rabbit polyclonal to BBS9
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment corresponding to Human BBS9 aa 760-883.

Sequence:

QEDTQELGWEETVDAASHLLKTCLSKSSKEQALNLN  
 SQLNIPKDTSQLK  
 KHITLLCDRLSKGGRLCLSTDAAPQTMVMPGGCTTIP  
 ESDLEERSVEQD STELFTNHRHLTAETPRPEVSPLQ

Database link: [Q3SYG4](#)

 [Run BLAST with](#)

 [Run BLAST with](#)

<b>Positive control</b>	IHC-P: Human cerebellum tissue.
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Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	pH: 7.20 Preservative: 0.02% Sodium azide Constituents: 40% Glycerol, PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab223699** in the following tested applications.

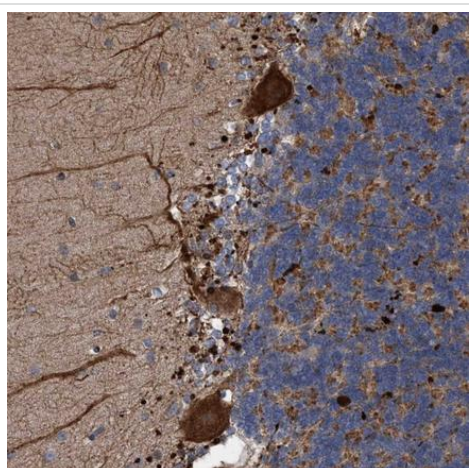
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/200 - 1/500. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## Target

<b>Function</b>	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.
<b>Tissue specificity</b>	Widely expressed. Expressed in adult heart, skeletal muscle, lung, liver, kidney, placenta and brain, and in fetal kidney, lung, liver and brain.
<b>Involvement in disease</b>	A chromosomal aberration involving PTHB1 is found in Wilms tumor 5 (WT5) [MIM:601583]. Translocation t(1;7)(q42;p15) with OBSCN. Defects in BBS9 are a cause of Bardet-Biedl syndrome type 9 (BBS9) [MIM:209900]. Bardet-Biedl syndrome (BBS) is a genetically heterogeneous, autosomal recessive disorder characterized by usually severe pigmentary retinopathy, early onset obesity, polydactyly, hypogonadism, renal malformation and mental retardation.
<b>Cellular localization</b>	Cytoplasm > cytoskeleton > centrosome. Cell projection > cilium membrane. Cytoplasm. Localizes to nonmembranous centriolar satellites in the cytoplasm.

## Images



Paraffin-embedded human cerebellum tissue stained for BBS9 using ab223699 at 1/200 dilution in immunohistochemical analysis.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BBS9 antibody (ab223699)

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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