

## Datasheet for ABIN7111936 **anti-BBS5 antibody**



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### Overview

Quantity:	100 µg
Target:	BBS5
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This BBS5 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

### Product Details

Immunogen:	Bardet-Biedl syndrome 5
Clone:	7E11
Isotype:	IgG2a
Purification:	Protein A+G purification
Purity:	≥95 % as determined by SDS-PAGE

### Target Details

Target:	BBS5
Alternative Name:	BBS5 ( <a href="#">BBS5 Products</a> )
Background:	Synonyms: Background: 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

## Target Details

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 BBSome complex ciliary localization but not for the proper complex assembly.

Molecular Weight:	40 kDa
Gene ID:	129880
UniProt:	<a href="#">Q8N3I7</a>
Pathways:	<a href="#">Hedgehog Signaling</a>

## Application Details

Application Notes:	WB: 1:500-1:2000, IHC: 1:50-1:500
Restrictions:	For Research Use only

## Handling

Format:	Liquid
Buffer:	PBS with 0.02 % sodium azide and 50 % glycerol pH 7.3,
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	-20 °C
Storage Comment:	-20°C for 12 months (Avoid repeated freeze / thaw cycles.)
Expiry Date:	12 months