



# Rabbit Anti-Human BBS10 Polyclonal antibody (DPABH-15616)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Immunogen</b>	BBS10 fusion protein, sequence: MLPVSCKLPNMGTSQSYLSSSMPAGCVLPVGGNFEILLHYYLLNYAKKCHQSEETMVSMI IANALLGIPKVLYKSKTGKYSFPHTYIRAVHALQTNQPLVSSQTGLESVMGKYQLLTSVL QCLTKILTIDMVITVKRHPQKVHNQDSEDEL (C-term-151aa encoded by BC013795)
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human, Zebrafish, Mouse
<b>Purification</b>	Antigen affinity purification
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, IF, ELISA
<b>Positive Control</b>	HepG2 cells, A549 cells, MCF-7 cells
<b>Format</b>	Liquid
<b>Size</b>	50 µl, 100 µl
<b>Buffer</b>	PBS with 0.02% sodium azide and 50% glycerol pH 7.3.
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Store at -20°C. Aliquoting is unnecessary for -20°C storage.

## BACKGROUND

## Introduction

This gene is a member of the Bardet-Biedl syndrome (BBS) gene family. Bardet-Biedl syndrome is an autosomal recessive disorder characterized by progressive retinal degeneration, obesity, polydactyly, renal malformation and mental retardation. The proteins encoded by BBS gene family members are structurally diverse and the similar phenotypes exhibited by mutations in BBS gene family members is likely due to their shared roles in cilia formation and function. Many BBS proteins localize to the basal bodies, ciliary axonemes, and pericentriolar regions of cells. BBS proteins may also be involved in intracellular trafficking via microtubule-related transport. The protein encoded by this gene is likely not a ciliary protein but rather has distant sequence homology to type II chaperonins. As a molecular chaperone, this protein may affect the folding or stability of other ciliary or basal body proteins. Inhibition of this proteins expression impairs ciliogenesis in preadipocytes. Mutations in this gene cause Bardet-Biedl syndrome type 10.

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## Keywords

BBS10; Bardet-Biedl syndrome 10; C12orf58; Bardet-Biedl syndrome 10 protein;

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# GENE INFORMATION

## Entrez Gene ID

[79738](#)

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## UniProt ID

[Q8TAM1](#)

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