

## Product datasheet for **TA804560**

### **BBS4 Mouse Monoclonal Antibody [Clone ID: OTI2D5]**

#### **Product data:**

Product Type:	Primary Antibodies
Clone Name:	OTI2D5
Applications:	WB
Recommended Dilution:	WB 1:2000
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Human recombinant protein fragment corresponding to amino acids 266-519 of human BBS4 (NP_149017) produced in E.coli.
Formulation:	PBS (pH 7.3) containing 1% BSA, 50% glycerol and 0.02% sodium azide.
Concentration:	1 mg/ml
Purification:	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
Conjugation:	Unconjugated
Storage:	Store at -20°C as received.
Stability:	Stable for 12 months from date of receipt.
Predicted Protein Size:	58.1 kDa
Gene Name:	Bardet-Biedl syndrome 4
Database Link:	<a href="#">NP_149017</a> <a href="#">Entrez Gene 102774 Mouse</a> <a href="#">Entrez Gene 300754 Rat</a> <a href="#">Entrez Gene 585 Human</a> <a href="#">Q96RK4</a>



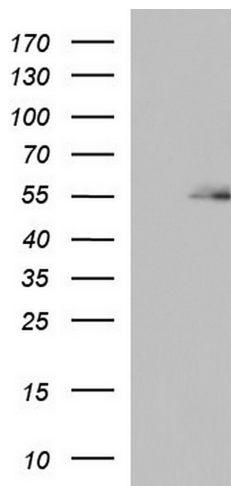
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**Background:**

This gene is a member of the Bardet-Biedl syndrome (BBS) gene family. Bardet-Biedl syndrome is an autosomal recessive disorder characterized by severe pigmentary retinopathy, obesity, polydactyly, renal malformation and mental retardation. The proteins encoded by BBS gene family members are structurally diverse. The similar phenotypes exhibited by mutations in BBS gene family members are likely due to the protein's 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 has sequence similarity to O-linked N-acetylglucosamine (O-GlcNAc) transferases in plants and archaeobacteria and in human forms a multi-protein 'BBSome' complex with six other BBS proteins. Alternative splice variants have been described but their predicted protein products have not been experimentally verified. [provided by RefSeq, Jan 2009]

**Synonyms:**

Bardet-Biedl syndrome 4

**Product images:**

HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY BBS4 (Cat# [RC206210], Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-BBS4 (Cat# TA804560). Positive lysates [LY409788] (100ug) and [LC409788] (20ug) can be purchased separately from OriGene.