

Datasheet for ABIN7265825
anti-BBS7 antibody (AA 1-270)[Go to Product page](#)

1 Image

Overview

Quantity:	100 µL
Target:	BBS7
Binding Specificity:	AA 1-270
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This BBS7 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC)

Product Details

Purpose:	BBS7 Rabbit pAb
Immunogen:	Recombinant fusion protein containing a sequence corresponding to amino acids 1-270 of human BBS7 (NP_060660.2).
Sequence:	MDLILNRMDY LQVGVT SQKT MKLIPASRRH ATQKV VIGDH DGVVMCFGMK KGEAAAVFKT LPGPKIARLE LGGVINTPQE KIFIAAASEI RGFTKRGKQF LSFETNLTES IKAMHISGSD LFLSASYIYN HYCDCKDQHY YLSGDKINDV ICLPVERLSR ITPVLACQDR VLRVLQGSDV MYAVEVPGPP TVLALHNGNG GDSGEDLLFG TSDGKLALIQ ITTSKPVRKW EIQNEKKRGG ILCIDSFDIV GDGVKDLLVG RDDGMVEVYS
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Characteristics:	Polyclonal Antibodies

Product Details

Purification: Affinity purification

Target Details

Target: BBS7

Alternative Name: BBS7 ([BBS7 Products](#))

Background: This gene encodes one of eight proteins that form the BBSome complex containing BBS1, BBS2, BBS4, BBS5, BBS7, BBS8, BBS9 and BBIP10. The BBSome complex is believed to recruit Rab8(GTP) to the primary cilium and promote ciliogenesis. The BBSome complex assembly is mediated by a complex composed of three chaperonin-like BBS proteins (BBS6, BBS10, and BBS12) and CCT/TRiC family chaperonins. Mutations in this gene are implicated in Bardet-Biedl syndrome, a genetic disorder whose symptoms include obesity, retinal degeneration, polydactyly and nephropathy, however, mutations in this gene and the BBS8 gene are thought to play a minor role and mutations in chaperonin-like BBS genes are found to be a major contributor to disease development in a multiethnic Bardet-Biedl syndrome patient population. Two transcript variants encoding distinct isoforms have been identified for this gene.[provided by RefSeq, Oct 2014],BBS2L1,BBS7,Cancer,Cell Biology & Developmental Biology,Cell Cycle,Centrosome,Endocrine & Metabolism,Neuroscience,BBS7

Molecular Weight: 75kDa/80kDa

Gene ID: 55212

UniProt: [Q8IWZ6](#)

Pathways: [Hedgehog Signaling](#)

Application Details

Application Notes: WB,1:500 - 1:2000,IHC,1:50 - 1:100,IF,1:50 - 1:200

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: PBS with 0.02 % sodium azide,50 % glycerol, pH 7.3.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which

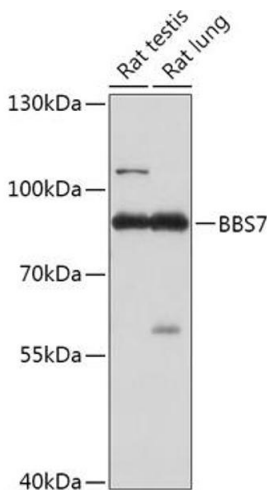
Handling

should be handled by trained staff only.

Storage: -20 °C

Storage Comment: Store at -20°C. Avoid freeze / thaw cycles.

Images



Western Blotting

Image 1. Western blot analysis of extracts of various cell lines, using BBS7 antibody (ABIN7265825) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (ABIN1684268 and ABIN3020597) at 1:10000 dilution. Lysates/proteins: 25 µg per lane. Blocking buffer: 3 % nonfat dry milk in TBST. Detection: ECL Basic Kit (RM00020). Exposure time: 30s.