Product Datasheet

BBS10 Antibody

Catalog No: #46336

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

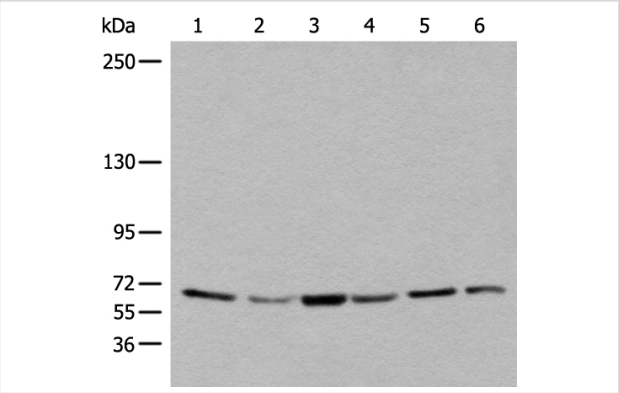
Product Name	BBS10 Antibody
Host Species	Rabbit
Clonality	Polyclonal
Purification	Antigen affinity purification
Applications	WB IHC
Species Reactivity	Hu
Specificity	The antibody detects endogenous levels of total BBS10 protein.
Immunogen Type	peptide
Immunogen Description	Synthetic protein corresponding to residues near the C terminal of human BBS10
Target Name	BBS10
Other Names	C12orf58
Accession No.	Swiss-Prot:Q8TAM1NCBI Gene ID:79738NCBI Protein:BC026355
Uniprot	Q8TAM1
GeneID	79738;
Calculated MW	81 kDa
Concentration	1mg/ml
Formulation	Rabbit IgG in pH7.4 PBS, 0.05% NaN3, 40% Glycerol.
Storage	Store at -20°C

Application Details

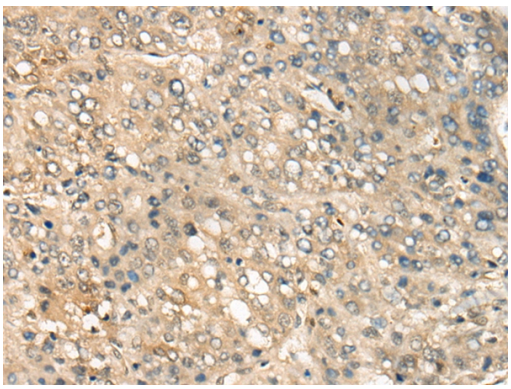
Western blotting: 1:200-1:1000

Immunohistochemistry: 1: 30-150

Images



Gel: 6%SDS-PAGE
B£B¬ Lysate: 40 B¦Γ g,B£B¬ Lane 1-6:HEPG2B£B¬293T,A549B£B¬231B£B¬A172 and PC-3 cell lysatesB£B¬
Primary antibody: 46336(BBS10 Antibody) at dilution 1/400B£B¬
Secondary antibody: Goat anti rabbit IgG at 1/8000 dilutionB£B¬
Exposure time: 10 seconds



The image on the left is immunohistochemistry of paraffin-embedded Human liver cancer tissue using 46336(BBS10 Antibody) at dilution 1/40, on the right is treated with fusion protein. (Original magnification: x200)

Background

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 protein's expression impairs ciliogenesis in preadipocytes. Mutations in this gene cause Bardet-Biedl syndrome type 10.

Note: This product is for in vitro research use only