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ZSWIM3 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP59156

Product Information

Application	WB, IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q96MP5
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	79454
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human ZSWIM3
Epitope Specificity	301-400/696
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cell projection, cilium membrane. Cytoplasm. Cytoplasm, cytoskeleton, cilium basal body.
SIMILARITY	Belongs to the BBS5 family.
SUBUNIT	Part of BBSome complex, that contains BBS1, BBS2, BBS4, BBS5, BBS7, BBS8, BBS9 and BBIP10. The BBSome complex binds to PCM1 and tubulin. Binds to phosphoinositides.
DISEASE	Defects in BBS5 are a cause of Bardet-Biedl syndrome type 5 (BBS5) [MIM:209900]. Bardet-Biedl syndrome (BBS) is a genetically heterogeneous disorder characterized by usually severe pigmentary retinopathy, early onset obesity, polydactyly, hypogenitalism, renal malformation and mental retardation. Secondary features include diabetes mellitus, hypertension and congenital heart disease. A relatively high incidence of BBS is found in the mixed Arab populations of Kuwait and in Bedouin tribes throughout the Middle East, most likely due to the high rate of consaguinity in these populations and a founder effect.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. ZSWIM3 (Zinc finger SWIM domain-containing protein 3) is a 696 amino acid protein that contains one SWIM-type zinc finger. SWIM domains are found in a variety of eukaryotic and prokaryotic proteins and are thought to be critical for certain ubiquitination reactions. The gene encoding ZSWIM3 maps to human chromosome 20, which contains nearly 63 million bases that encode over 600 genes, some of which are associated with Creutzfeldt-Jakob disease, amyotrophic lateral sclerosis, spinal muscular atrophy, ring chromosome 20 epilepsy syndrome and Alagille syndrome.

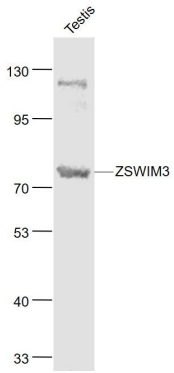
Additional Information

Gene ID	140831
Other Names	Zinc finger SWIM domain-containing protein 3, ZSWIM3, C20orf164
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:50-200, ELISA=1:5000-10000
Format	0.01M TBS(pH7.4) with 1% BSA, 0.09% (W/V) sodium azide and 50% Glyce
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ZSWIM3
Synonyms	C20orf164

Images



Sample:
Testis (Mouse) Lysate at 40 ug
Primary: Anti-ZSWIM3 (AP59156) at 1/1000 dilution
Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution
Predicted band size: 79 kD
Observed band size: 79 kD