

VPS33B Polyclonal Antibody

Catalog number: 12195-1-AP

Size: 37 µg/150 µl

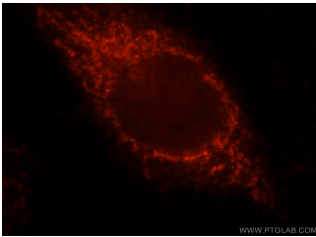
Source: Rabbit

Isotype: IgG

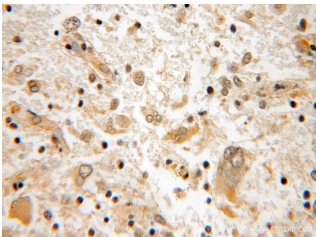
Synonyms:

VPS33B; FLJ14848, hVPS33B,

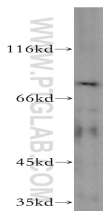
VPS33B



Immunofluorescent analysis of MCF-7 cells, using VPS33B antibody 12195-1-AP at 1:25 dilution and Rhodamine-labeled goat anti-rabbit IgG (red).



Immunohistochemical of paraffin-embedded human medulloblastoma using 12195-1-AP (VPS33B antibody) at dilution of 1:50 (under 10x lens)



mouse testis tissue were subjected to SDS PAGE followed by western blot with 12195-1-AP (VPS33B antibody) at dilution of 1:500

Background

VPS33B, a homolog of yeast class C vacuolar protein sorting (vps) protein Vps33p, belongs to the STXBP/unc-18/SEC1 family. It may play a role in vesicle-mediated protein trafficking to lysosomal compartments and in membrane docking/fusion reactions of late endosomes/lysosomes. VPS33B mediates phagolysosomal fusion in macrophages (PMID: 18474358). Defects in VPS33B account for most cases of arthrogryposis-renal dysfunction-cholestasis (ARC) syndrome, which is a multisystem disorder associated with abnormalities in polarized liver and kidney cells (PMID: 20190753).

Applications

Tested applications:	ELISA, WB, IHC, IF
Cited applications:	IF, IP, WB
Species specificity:	Human, Mouse, Rat, Zebrafish; other species not tested.
Cited species:	Human, mouse
Calculated VPS33B MW:	617aa, 71 kDa
Observed VPS33B MW:	71 kDa
Positive WB detected in	Mouse testis tissue, HeLa cells, mouse skeletal muscle tissue
Positive IHC detected in	Human medulloblastoma tissue, human brain tissue, human kidney tissue, human lung tissue, human ovary tissue, human placenta tissue, human spleen tissue, human testis tissue
Positive IF detected in	MCF-7 cells
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:20-1:200 IF: 1:10-1:100

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

Immunogen information

Immunogen:	Ag2833
GenBank accession number:	BC016445
Gene ID (NCBI):	26276
Full name:	Vacuolar protein sorting 33 homolog B (yeast)

Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.