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FZD5 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant FZD5.
Catalog # AT2131a

Product Information

Application	WB, IP, E
Primary Accession	Q13467
Other Accession	NM_003468
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG2a Kappa
Clone Names	6A3
Calculated MW	64507

Additional Information

Gene ID	7855
Other Names	Frizzled-5, Fz-5, hFz5, FzE5, FZD5, C2orf31
Target/Specificity	FZD5 (ENSP00000354607, 72 a.a. ~ 161 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IP~~N/A E~~N/A
Format	Clear, colorless solution in phosphate buffered saline, pH 7.2 .
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
Precautions	FZD5 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

Background

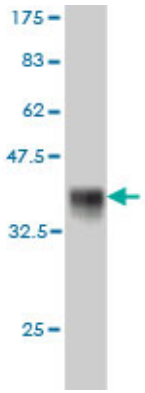
Members of the 'frizzled' gene family encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins. The FZD5 protein is believed to be the receptor for the Wnt5A ligand.

References

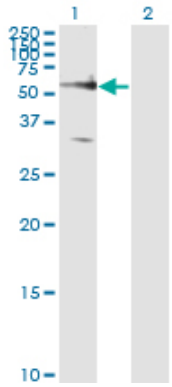
Analysis of eight genes modulating interferon gamma and human genetic susceptibility to tuberculosis: a case-control association study. M?ller M, et al. BMC Infect Dis, 2010 Jun 7. PMID 20525402.A coated vesicle-associated kinase of 104 kDa (CVAK104) induces lysosomal degradation of frizzled 5 (Fzd5). Terabayashi T, et al. J Biol Chem, 2009 Sep 25. PMID 19643732.Non-association between polymorphisms of the frizzled receptor genes and bone mineral density in postmenopausal Korean women. Kim JG, et al. J

Korean Med Sci, 2009 Jun. PMID 19543507.High-density association study of 383 candidate genes for volumetric BMD at the femoral neck and lumbar spine among older men. Yerges LM, et al. J Bone Miner Res, 2009 Dec. PMID 19453261.The pseudoreceptor BMP and activin membrane-bound inhibitor positively modulates Wnt/beta-catenin signaling. Lin Z, et al. J Biol Chem, 2008 Nov 28. PMID 18838381.

Images

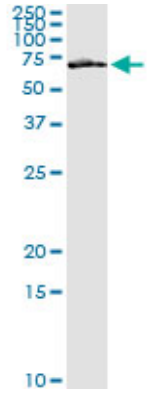


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (35.64 KDa) .

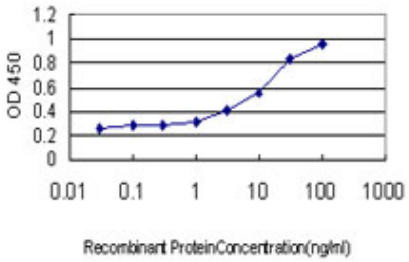


Western Blot analysis of FZD5 expression in transfected 293T cell line by FZD5 monoclonal antibody (M01), clone 6A3.

Lane 1: FZD5 transfected lysate(64.5 KDa).
Lane 2: Non-transfected lysate.

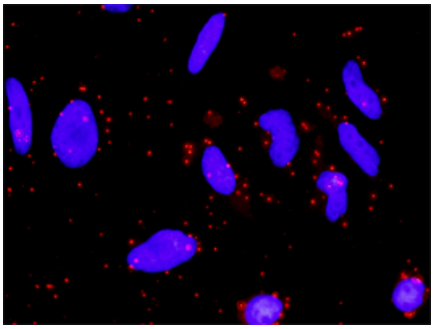


Immunoprecipitation of FZD5 transfected lysate using anti-FZD5 monoclonal antibody and Protein A Magnetic Bead (U0007), and immunoblotted with FZD5 MaxPab rabbit polyclonal antibody.



Detection limit for recombinant GST tagged FZD5 is approximately 0.3ng/ml as a capture antibody.

Proximity Ligation Analysis of protein-protein interactions between WNT5A and FZD5 HeLa cells were stained with anti-WNT5A rabbit purified polyclonal 1:1200 and



anti-FZD5 mouse monoclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).