

## **FZD5 Antibody (monoclonal) (M01)**

Mouse monoclonal antibody raised against a partial recombinant FZD5.

Catalog # AT2131a

### **Specification**

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#### **FZD5 Antibody (monoclonal) (M01) - Product Information**

Application	IP, WB, E
Primary Accession	<a href="#">Q13467</a>
Other Accession	<a href="#">NM_003468</a>
Reactivity	Human
Host	mouse
Clonality	Monoclonal
Isotype	IgG2a Kappa
Calculated MW	64507

#### **FZD5 Antibody (monoclonal) (M01) - 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

#### **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.

#### **FZD5 Antibody (monoclonal) (M01) - Protocols**

Provided below are standard protocols that you may find useful for product applications.

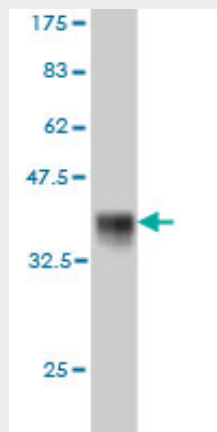
- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)

- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

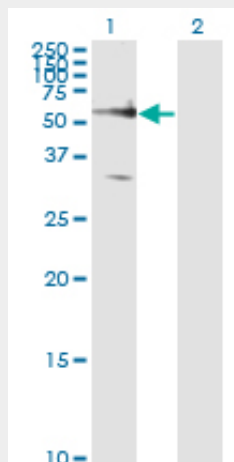
### FZD5 Antibody (monoclonal) (M01) - Images



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

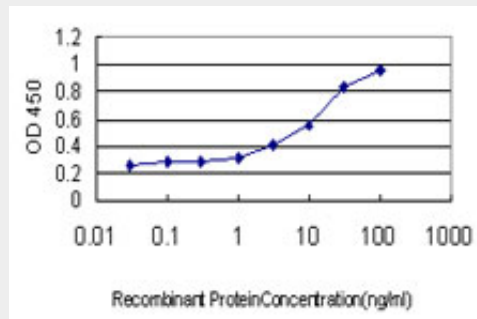


Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (35.64 kDa) .

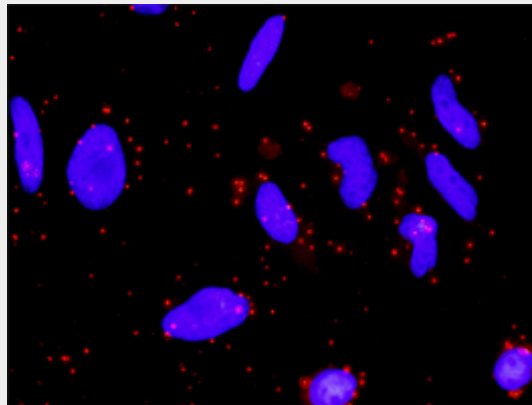


Western Blot analysis of FZD5 expression in transfected 293T cell line by FZD5 monoclonal antibody (M01), clone 6A3.

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



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).

### **FZD5 Antibody (monoclonal) (M01) - 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.

### **FZD5 Antibody (monoclonal) (M01) - References**

Analysis of eight genes modulating interferon gamma and human genetic susceptibility to tuberculosis: a case-control association study. Müller 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.