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# FZD2 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a partial recombinant FZD2.
Catalog # AT2129a

## Product Information

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|---|---|
| **Application** | WB, E |
| **Primary Accession** | Q14332 |
| **Other Accession** | NM_001466 |
| **Reactivity** | Human |
| **Host** | mouse |
| **Clonality** | monoclonal |
| **Isotype** | IgG2b Kappa |
| **Clone Names** | 2C8 |
| **Calculated MW** | 63554 |

## Additional Information

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|---|---|
| **Gene ID** | 2535 |
| **Other Names** | Frizzled-2, Fz-2, hFz2, FzE2, FZD2 |
| **Target/Specificity** | FZD2 (NP_001457, 192 a.a. ~ 245 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa. |
| **Dilution** | WB~~1:500~1000 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** | FZD2 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Background

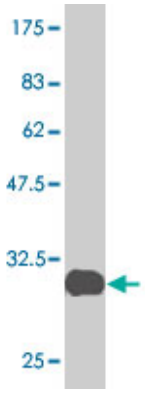
Members of the 'frizzled' gene family encode 7-transmembrane domain proteins that are receptors for Wnt signaling proteins. The expression of the FZD2 gene appears to be developmentally regulated, with high levels of expression in fetal kidney and lung and in adult colon and ovary.

## References

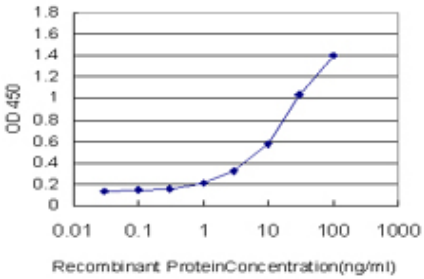
Maternal genes and facial clefts in offspring: a comprehensive search for genetic associations in two population-based cleft studies from Scandinavia. Jugessur A, et al. PLoS One, 2010 Jul 9. PMID 20634891.cGMP-phosphodiesterase 6, transducin and Wnt5a/Frizzled-2-signaling control cGMP and Ca(2+) homeostasis in melanoma cells. Bazhin AV, et al. Cell Mol Life Sci, 2010 Mar. PMID 19946729.Wnt5a

regulates distinct signalling pathways by binding to Frizzled2. Sato A, et al. EMBO J, 2010 Jan 6. PMID 19910923.Findings from bipolar disorder genome-wide association studies replicate in a Finnish bipolar family-cohort. Ollila HM, et al. Mol Psychiatry, 2009 Apr. PMID 19308021.Identification of WNT/beta-CATENIN signaling pathway components in human cumulus cells. Wang HX, et al. Mol Hum Reprod, 2009 Jan. PMID 19038973.

## Images




Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (31.68 KDa) .




Detection limit for recombinant GST tagged FZD2 is approximately 1ng/ml as a capture antibody.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.