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DFNB31 Antibody (monoclonal) (M02)

Mouse monoclonal antibody raised against a partial recombinant DFNB31.
Catalog # AT1757a

Specification

DFNB31 Antibody (monoclonal) (M02) - Product Information

Application	**WB, E**
Primary Accession	Q9P202
Other Accession	NM_015404
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG2b Kappa**
Calculated MW	**96558**

DFNB31 Antibody (monoclonal) (M02) - Additional Information

Gene ID 25861

Other Names
Whirlin, Autosomal recessive deafness type 31 protein, DFNB31, KIAA1526, WHRN

Target/Specificity
DFNB31 (NP_056219, 808 a.a. ~ 907 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
DFNB31 Antibody (monoclonal) (M02) is for research use only and not for use in diagnostic or therapeutic procedures.

DFNB31 Antibody (monoclonal) (M02) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot

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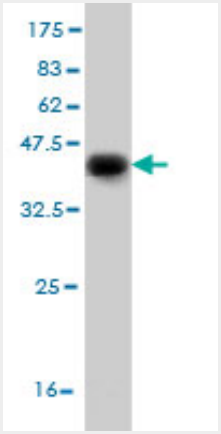
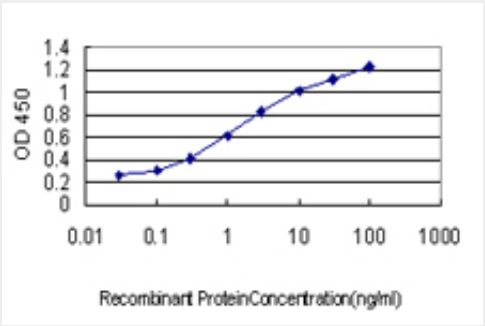
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

DFNB31 Antibody (monoclonal) (M02) - Images



Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (36.74 KDa) .



Detection limit for recombinant GST tagged DFNB31 is approximately 0.03ng/ml as a capture antibody.

DFNB31 Antibody (monoclonal) (M02) - Background

This gene is thought to function in the organization and stabilization of sterocilia elongation and actin cystoskeletal assembly, based on studies of the related mouse gene. Mutations in this gene have been associated with autosomal recessive non-syndromic deafness and Usher Syndrome. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms.

DFNB31 Antibody (monoclonal) (M02) - References

Follow-up association studies of chromosome region 9q and nonsyndromic cleft lip/palate. Letra A, et al. Am J Med Genet A, 2010 Jul. PMID 20583170.Family-based association study for bipolar affective disorder. Secolin R, et al. Psychiatr Genet, 2010 Jun. PMID 20414141.Sequence variants of the DFNB31 gene among Usher syndrome patients of diverse origin. Aller E, et al. Mol Vis, 2010 Mar 23. PMID 20352026.Overexpression of the signal peptide whirlin isoform 2 is related to disease progression in colorectal cancer patients. Toiyama Y, et al. Int J Oncol, 2009 Oct. PMID 19724906.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.