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GJB3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant GJB3.
Catalog # AT2202a

Specification

GJB3 Antibody (monoclonal) (M01) - Product Information

Application	**IF, WB, E**
Primary Accession	O75712
Other Accession	BC012918
Reactivity	**Human**
Host	**mouse**
Clonality	**Monoclonal**
Isotype	**IgG1 Kappa**
Calculated MW	**30818**

GJB3 Antibody (monoclonal) (M01) - Additional Information

Gene ID 2707

Other Names
Gap junction beta-3 protein, Connexin-31, Cx31, GJB3, CX31

Target/Specificity
GJB3 (AAH12918.1, 1 a.a. ~ 270 a.a) full-length 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
GJB3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

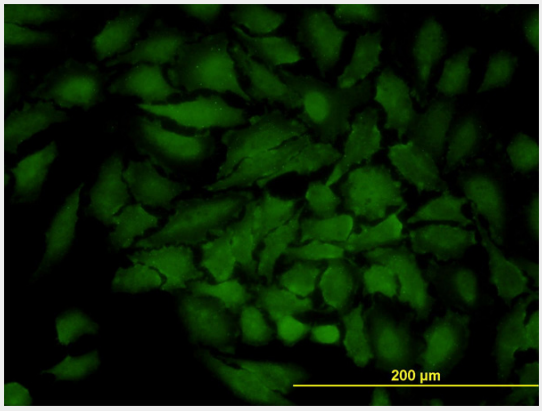
GJB3 Antibody (monoclonal) (M01) - Protocols

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

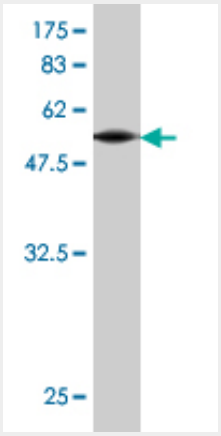
- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry

- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

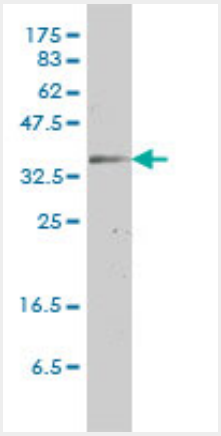
GJB3 Antibody (monoclonal) (M01) - Images



Immunofluorescence of monoclonal antibody to GJB3 on HeLa cell. [antibody concentration 10 ug/ml]

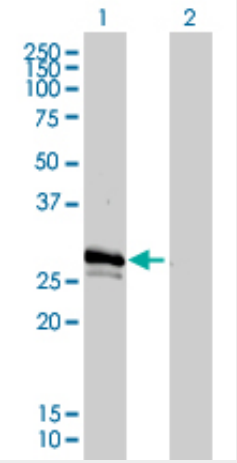


Antibody Reactive Against Recombinant Protein.Western Blot detection against Immunogen (55.44 KDa) .



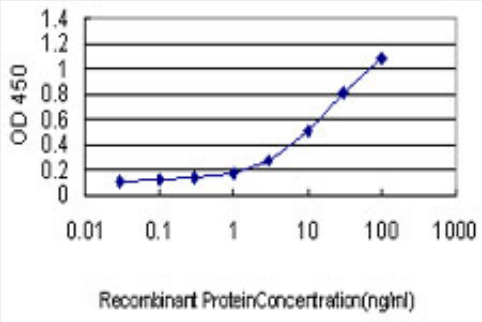
GJB3 monoclonal antibody (M01), clone 3B4-1B3 Western Blot analysis of GJB3 expression in HeLa ((Cat # AT2202a)

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Western Blot analysis of GJB3 expression in transfected 293T cell line by GJB3 monoclonal antibody (M01), clone 3B4-1B3.

Lane 1: GJB3 transfected lysate(31 KDa).
Lane 2: Non-transfected lysate.



Detection limit for recombinant GST tagged GJB3 is approximately 0.3ng/ml as a capture antibody.

GJB3 Antibody (monoclonal) (M01) - Background

This gene is a member of the connexin gene family. The encoded protein is a component of gap junctions, which are composed of arrays of intercellular channels that provide a route for the diffusion of low molecular weight materials from cell to cell. Mutations in this gene can cause non-syndromic deafness or erythrokeratodermia variabilis, a skin disorder. Alternative splicing results in multiple transcript variants encoding the same protein.

GJB3 Antibody (monoclonal) (M01) - References

1.EKV mutant connexin 31 associated cell death is mediated by ER stress.Tattersall D, Scott CA, Gray C, Zicha D, Kelsell DP.Hum Mol Genet. 2009 Dec 15;18(24):4734-45. Epub 2009 Sep 14.