

GJB3 Antibody (monoclonal) (M01)**Mouse monoclonal antibody raised against a full length recombinant GJB3.****Catalog # AT2202a****Specification**

GJB3 Antibody (monoclonal) (M01) - Product Information

Application	WB, IF, 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

IF~~1:50~200

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

GJB3 Antibody (monoclonal) (M01) is for research use only and not for use in diagnostic or therapeutic procedures.

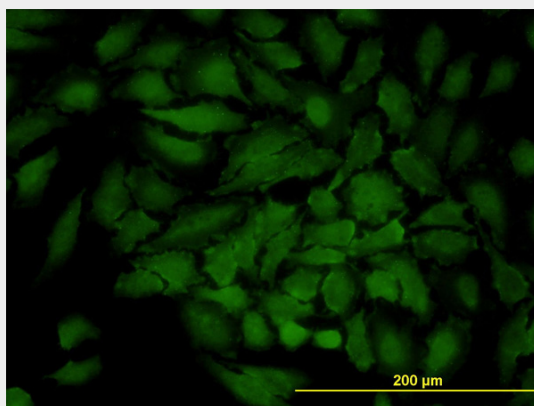
GJB3 Antibody (monoclonal) (M01) - Protocols

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

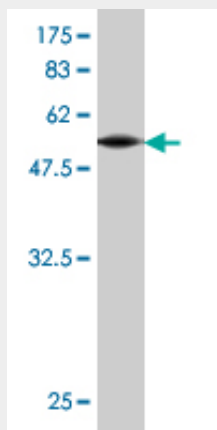
- [Western Blot](#)
- [Blocking Peptides](#)

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

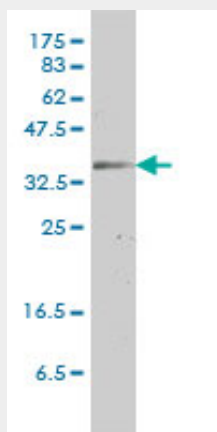
GJB3 Antibody (monoclonal) (M01) - Images



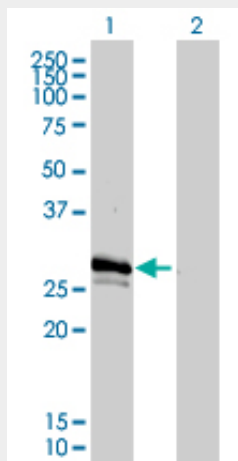
Immunofluorescence of monoclonal antibody to GJB3 on HeLa cell. [antibody concentration 10 ug/ml]



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



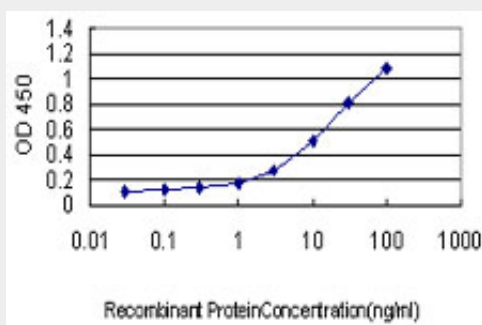
GJB3 monoclonal antibody (M01), clone 3B4-1B3 Western Blot analysis of GJB3 expression in HeLa (Cat # AT2202a)



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 erythrokeratoderma 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.