

GJB3 Antibody (monoclonal) (M01)

Mouse monoclonal antibody raised against a full length recombinant GJB3.

Catalog # AT2202a

Product Information

Application	WB, IF, E
Primary Accession	O75712
Other Accession	BC012918
Reactivity	Human
Host	mouse
Clonality	monoclonal
Isotype	IgG1 Kappa
Clone Names	3B4-1B3
Calculated MW	30818

Additional Information

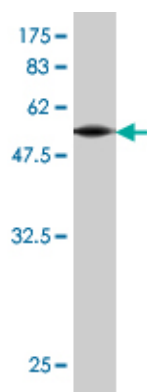
Gene ID	2707
Other Names	Gap junction beta-3 protein, Connexin-31, Cx31, GJB3, CX31
Target/Specificity	GJB3 (AAH12918.1, 1 a.a. ~ 270 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Dilution	WB~~1:500~1000 IF~~1:50~200 E~~N/A
Format	Clear, colorless solution in phosphate 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.

Background

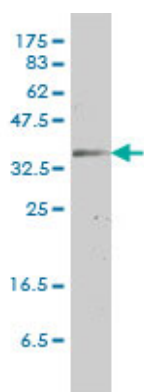
This gene is a member of the connexin gene family. The encoded protein is a component of gap junctions, which are composed of arrays of intercellular channels that provide a route for the diffusion of low molecular weight materials from cell to cell. Mutations in this gene can cause non-syndromic deafness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

References

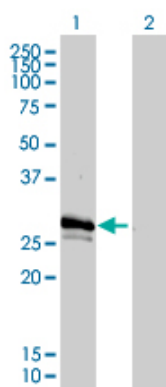
1.EKV mutant connexin 31 associated cell death is mediated by ER stress.Tattersall D, Scott CA, Gray C, Zicha D, Kelsell DP.Hum Mol Genet. 2009 Dec 15;18(24):4734-45. Epub 2009 Sep 14.



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

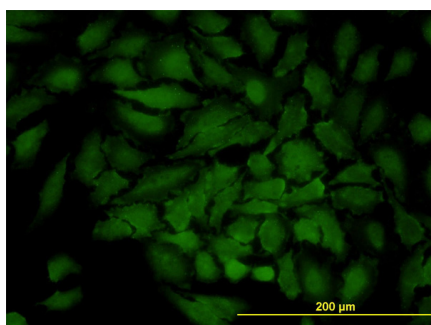


GJB3 monoclonal antibody (M01), clone 3B4-1B3 Western Blot analysis of GJB3 expression in HeLa (Cat # AT2202a)



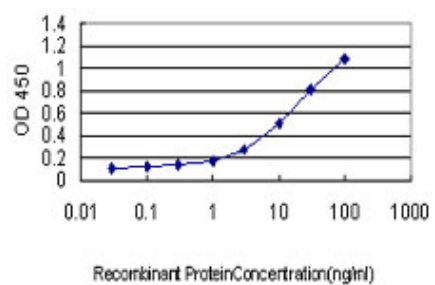
Western Blot analysis of GJB3 expression in transfected 293T cell line by GJB3 monoclonal antibody (M01), clone 3B4-1B3.

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



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

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



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