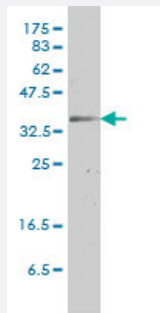


GJB3 monoclonal antibody (M01), clone 3B4-1B3

Catalog # H00002707-M01

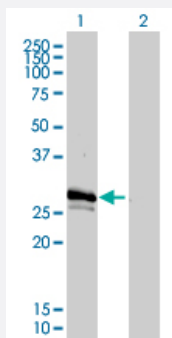
Size 100 ug

Applications



Western Blot (Cell lysate)

GJB3 monoclonal antibody (M01), clone 3B4-1B3 Western Blot analysis of GJB3 expression in HeLa (Cat # L013V1).

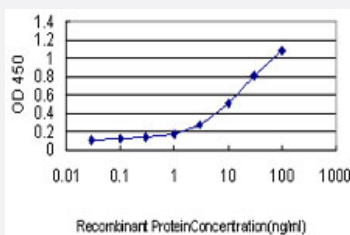


Western Blot (Transfected lysate)

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

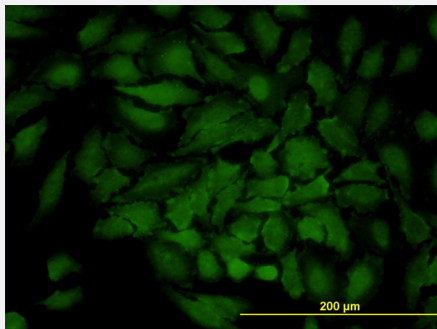
Lane 1: GJB3 transfected lysate(31 KDa).

Lane 2: Non-transfected lysate.



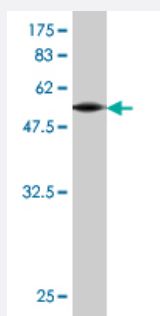
Sandwich ELISA (Recombinant protein)

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



Immunofluorescence

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



Western Blot detection against Immunogen (55.44 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a full length recombinant GJB3.
Immunogen	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.
Sequence	MDWKTLLQALLSGVKNKYSTAFGRMLSVVFVFRVLVYVVAERVWGDEQKDFDCNTKQPGCTNV CYDNYFPISNIRLWALQLIFVTCPSLLVILHVAYREERERRHRQKHGDQCAKLYDNAGKKHGGLWW TYLFSLLIFKLIIEFLFLYLLHTLWHGFNMPRLVQCANVAPCPNIVDCYIARPTKKIFTYFMVGASAVCI VLTICELCYLCHRVLRGLHKDKPRGGCSPSSSASRASTCRCHHKLVEAGEVDPDPGNNKLQAS APNLTPI
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (83); Rat (83)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (55.44 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

GJB3 monoclonal antibody (M01), clone 3B4-1B3 Western Blot analysis of GJB3 expression in HeLa (Cat # L013V1).

[Protocol Download](#)

- Western Blot (Transfected lysate)

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.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

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

[Protocol Download](#)

- ELISA

- Immunofluorescence

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

Gene Info — GJB3

Entrez GeneID	2707
GeneBank Accession#	BC012918
Protein Accession#	AAH12918.1
Gene Name	GJB3
Gene Alias	CX31, DFNA2, EKV, FLJ22486, MGC102938
Gene Description	gap junction protein, beta 3, 31kDa

Omim ID [133200 600101 603324](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000004183|OTTHUMP00000004184|connexin 31

Publication Reference

- [EKV mutant connexin 31 associated cell death is mediated by ER stress.](#)

Tattersall D, Scott CA, Gray C, Zicha D, Kelsell DP.

Human Molecular Genetics 2009 Sep; 18(24):4734.

Application: IF, WB-Ce, Human, HeLa cells

Disease

- [Chromosome Disorders](#)
- [Deafness](#)
- [Genetic Predisposition to Disease](#)
- [Hearing Loss](#)
- [Presbycusis](#)
- [Syndrome](#)