



# Mouse anti-Human GJB4 monoclonal antibody, clone 2F42D23 (CABT-B10328)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

|                              |                                                                                                                                                                                                                                                                               |
|------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen</b>             | GJB4 (AAH34709, 1 a.a. ~ 267 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.                                                                                                                                                            |
| <b>Isotype</b>               | IgG2a                                                                                                                                                                                                                                                                         |
| <b>Source/Host</b>           | Mouse                                                                                                                                                                                                                                                                         |
| <b>Species Reactivity</b>    | Human                                                                                                                                                                                                                                                                         |
| <b>Clone</b>                 | 2F42D23                                                                                                                                                                                                                                                                       |
| <b>Conjugate</b>             | Unconjugated                                                                                                                                                                                                                                                                  |
| <b>Applications</b>          | WB,sELISA,ELISA                                                                                                                                                                                                                                                               |
| <b>Sequence Similarities</b> | MNWAFLQGLLSGVNKYSTVLSRIWLSVVFIFRVLVYVVAEEVWDDEQKDFVCNTKQPGC<br>PNVCYDEFFPVSHVRLWALQLILVTCPSLLVVMHVAYREERERKHHLKHGPNAPSLYDNL<br>SKKRGGLWWTYLLSLIFKAAVDAGFLYIFHRLYKDYDMPRVVACSVEPCHTVDCYISRP<br>TEKKVFTYFMVTTAAICILLNLSEVFYLVGKRCMEIFGPRHRRPRCRECLPDTCPYPVLS<br>QGGHPEDGNSVLMKA |
| <b>Format</b>                | Liquid                                                                                                                                                                                                                                                                        |
| <b>Size</b>                  | 100 µg                                                                                                                                                                                                                                                                        |
| <b>Buffer</b>                | In 1x PBS, pH 7.2                                                                                                                                                                                                                                                             |
| <b>Storage</b>               | Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.                                                                                                                                                                                                      |

## BACKGROUND

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| <b>Introduction</b> | This gene encodes a transmembrane connexin protein that is a component of gap junctions. Mutations in this gene have been associated with erythrokeratoderma variabilis, progressive symmetric erythrokeratoderma and hearing impairment. [provided by RefSeq, Dec 2009] |
| <b>Keywords</b>     | GJB4; gap junction protein, beta 4, 30.3kDa; EKV; CX30.3; gap junction beta-4 protein; connexin 30.3; connexin-30.3;                                                                                                                                                     |

## GENE INFORMATION

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|-----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Entrez Gene ID</b> | <a href="#">127534</a>                                                                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>     | <a href="#">Q9NTQ9</a>                                                                                                                                                                                                                                                                                  |
| <b>Pathway</b>        | Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Gap junction assembly, organism-specific biosystem; Gap junction trafficking, organism-specific biosystem; Gap junction trafficking and regulation, organism-specific biosystem; Membrane Trafficking, organism-specific biosystem |
| <b>Function</b>       | gap junction channel activity                                                                                                                                                                                                                                                                           |