

Anti-Beta1 Connexin [2A]

Catalogue number: 151524

Sub-type: Primary antibody

Images:

Contributor

Inventor: David Becker

Institute: University College London (UCL)

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Beta1 Connexin [2A]

Alternate name:

Class: Monoclonal

Conjugate: Unconjugated

Description: Monoclonal antibody which detects connexin 32, linked to Charcot-Marie-Tooth disease.

Purpose: Marker

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG

Reactivity: Chicken ; Human ; Mouse ; Rat

Selectivity:

Host: Mouse

Immunogen: The peptide, LEGHGDPLHLEE, was coupled at the C-terminal end to bovine thyroglobulin at a final molar ratio peptide:thyroglobulin of 4060:1.

Immunogen UNIPROT ID: P08034

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Heart & liver tissue from 6 week old mice

Bacterial resistance:

Selectable markers:

Additional notes:

Target details

Target: Connexin 32 (Cx32 or ?1)

Target alternate names:

Target background: Connexins are a large family of proteins which form gap junctions. Gap junctions are cell membrane structures that facilitate direct cell-cell communication. Gap junctions are essential for various physiological processes, including coordinated depolarization of cardiac muscle, proper embryonic development, and the conducted response in microvasculature. Gap junction communication has been implicated in the patterning and development of vertebrate embryos. Individual connexins show complex sp...

Molecular weight: 46 kDa

Ic50:

Applications

Application: IHC ; IF ; WB

Application notes:

Handling

Format: Liquid

Concentration: 1 mg/ml

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer: PBS with 0.02% azide

Storage conditions: Store at -20° C frozen. Avoid repeated freeze / thaw cycles

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: Gorbe et al. 2007. Exp Cell Res. 313(6):1135-48. PMID: 17331498. ; Myoblast proliferation and syncytial fusion both depend on connexin43 function in transfected skeletal muscle primary cultures. ; Pearson et al. 2005. J Neurosci. 25(46):10803-14. PMID: 16291954. ; Gap junctions modulate interkinetic nuclear movement in retinal progenitor cells. ; Saitongdee et al. 2004. J Histochem Cytochem. 52(5):603-15. PMID: 15100238. ; Levels of gap junction proteins in coronary arterioles and aorta of hamsters exposed to the cold and during hibernation and arousal. ; Wright et al. 2001. Reproduction. 121(1):77-88. PMID: 11226030. ; Stage-specific and differential expression of gap junctions in the mouse ovary: connexin-specific roles in follicular regulation.

CancerTools.org