

# Anti-a1 Connexin [1A]

**Catalogue number:** 151523

**Sub-type:** Primary antibody

**Images:**

## Contributor

**Inventor:** David Becker

**Institute:** University College London (UCL)

**Images:**

## Tool details

**\*FOR RESEARCH USE ONLY**

**Name:** Anti-a1 Connexin [1A]

**Alternate name:**

**Class:** Monoclonal

**Conjugate:** Unconjugated

**Description:** Connexins are a large family of proteins which form gap junctions. Gap junctions are cell membrane structures that facilitate direct cell-cell communication. Gap junction communication has been implicated in the patterning and development of vertebrate embryos. Individual connexins show complex spatial and temporal variation in expression patterns. This variation contributes to the control of intercellular signalling.

**Purpose:** Marker

**Parental cell:**

**Organism:**

**Tissue:**

**Model:**

**Gender:**

**Isotype:** IgG

**Reactivity:** Mouse

**Selectivity:**

**Host:** Mouse

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

**Immunogen UNIPROT ID:**

**Sequence:**

**Growth properties:**

**Production details:**

**Formulation:**

**Recommended controls:** Heart & liver tissue from 6 week old mice; Heart tissue expresses predominantly Cx43

**Bacterial resistance:**

**Selectable markers:**

**Additional notes:**

## Target details

**Target:** Connexin 43 (Cx43 or a1)

**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 junction communication has been implicated in the patterning and development of vertebrate embryos. Individual connexins show complex spatial and temporal variation in expression patterns. This variation contributes to the control of intercellular signalling.

**Molecular weight:**

**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:** -15° C to -25° C

**Shipping conditions:** Shipping at 4° C

## Related tools

**Related tools:**

## References

**References:** Doorbar et al. 1992. Virology. 187(1):353-9. PMID: 1371027. ; Epitope-mapped monoclonal antibodies against the HPV16E1--E4 protein.

CancerTools.org