10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

# Anti-Connexin 32 (Gap Junction Protein) Antibody
**Mouse Monoclonal Antibody**
**Catalog # AH13265**

## Specification

### Anti-Connexin 32 (Gap Junction Protein) Antibody - Product Information

| | |
|---|---|
| Application | **WB, IHC-F, IF, FC** |
| Primary Accession | P08034 |
| Other Accession | 333303 |
| Reactivity | **Human, Mouse, Rat** |
| Host | **Mouse** |
| Clonality | **Monoclonal** |
| Isotype | **Mouse / IgG** |
| Calculated MW | **32025** |

### Anti-Connexin 32 (Gap Junction Protein) Antibody - Additional Information

**Gene ID** 2705

**Other Names**
Charcot Marie Tooth neuropathy X linked; CMTX; CMTX1; Connexin-32; Cx32; GAP junction 28kDa liver protein; Gap junction beta-1 protein; Gap junction protein beta 1 32kD; GJB1

**Application Note**
WB~~1:1000<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>FC~~1:10~50

**Format**
200ug/ml of Ab purified from Bioreactor Concentrate by Protein G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

**Storage**
Store at 2 to 8°C.Antibody is stable for 24 months.

**Precautions**
Anti-Connexin 32 (Gap Junction Protein) Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

### Anti-Connexin 32 (Gap Junction Protein) Antibody - Protein Information

**Name** GJB1

**Synonyms** CX32

**Function**
One gap junction consists of a cluster of closely packed pairs of transmembrane channels, the connexons, through which materials of low MW diffuse from one cell to a neighboring cell.

**Cellular Location**
Cell membrane; Multi-pass membrane protein. Cell junction, gap junction

## Anti-Connexin 32 (Gap Junction Protein) Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

## Anti-Connexin 32 (Gap Junction Protein) Antibody - Images

## Anti-Connexin 32 (Gap Junction Protein) Antibody - Background

This Ab recognizes a protein of 27-32kDa, identified as Connexin 32. The connexin family of proteins forms hexameric complexes called connexons that facilitate movement of low molecular weight proteins between cells via gap junctions. Connexin proteins share a common topology of four transmembrane α-helical domains, two extracellular loops, a cytoplasmic loop and cytoplasmic N- and C-termini. Many of the key functional differences arise from specific amino-acid substitutions in the most highly conserved domains, the transmembrane and extracellular regions. Each of the approximately 20-connexin isoforms produces channels with distinct permeability and electrical and chemical sensitivities; therefore, one connexin usually cannot fully substitute for another.