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# Connexin-45 Polyclonal Antibody

Catalog # AP69235

## Product Information

| | |
|---|---|
| **Application** | WB, IHC-P, IF, ICC, E |
| **Primary Accession** | P36383 |
| **Reactivity** | Human, Mouse, Rat |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Calculated MW** | 45470 |

## Additional Information

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|---|---|
| **Gene ID** | 10052 |
| **Other Names** | GJC1; GJA7; Gap junction gamma-1 protein; Connexin-45; Cx45; Gap junction alpha-7 protein |
| **Dilution** | WB~~Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/40000. Not yet tested in other applications. IHC-P~~N/A IF~~1:50~200 ICC~~N/A E~~N/A |
| **Format** | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide. |
| **Storage Conditions** | -20℃ |

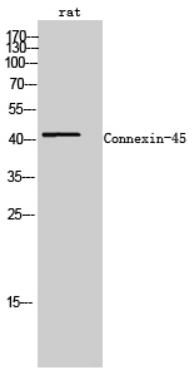
## Protein Information

| | |
|---|---|
| **Name** | GJC1 |
| **Synonyms** | GJA7 |
| **Function** | Structural component of the gap junction, a specialized intercellular structure consisting of a cluster of closely packed pairs of transmembrane channels, the connexons, that allow passage of small molecules and electrical signals between neighboring cells. Forms homotypic and heterotypic channels gated by transjunctional voltage (By similarity). Involved in intercellular innate immune signaling. Mediates translocation of 2',3'-cGAMP and 2',5'-oligoadenylates (2-5A) second messengers from virus-infected cells to macrophages and uninfected neighboring cells to propagate and amplify the antiviral immune response (PubMed:24077100, PubMed:31992625, PubMed:40010341). |
| **Cellular Location** | Cell membrane; Multi-pass membrane protein. Cell junction, gap junction |

## Background

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.

## Images




Western Blot analysis of rat cells using Connexin-45 Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.