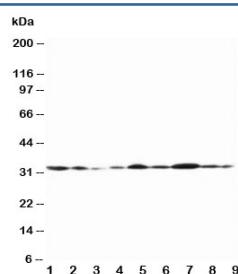


## Connexin 32 Antibody (R30436)

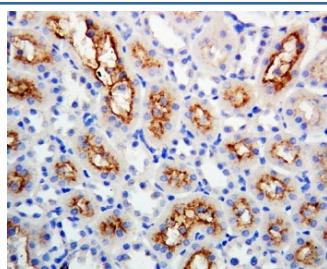
Catalog No.	Formulation	Size
R30436	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

**Bulk quote request**

<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human, Mouse, Rat
<b>Format</b>	Antigen affinity purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Polyclonal (rabbit origin)
<b>Isotype</b>	Rabbit IgG
<b>Purity</b>	Antigen affinity
<b>Buffer</b>	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
<b>UniProt</b>	P08034
<b>Localization</b>	Cell surface, cytoplasmic
<b>Applications</b>	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
<b>Limitations</b>	This Connexin 32 antibody is available for research use only.



Western blot testing of Connexin 32 antibody and Lane 1: rat heart; 2: (r) heart; 3: (r) skeletal muscle; 4: (r) brain; 5: human MCF-7; 6: (h) HeLa; 7: (h) SMMC-7721; 8: (h) Jurkat; 9: (h) COLO320 lysate. Predicted molecular weight ~32 kDa.



IHC-P: Connexin 32 antibody testing of rat kidney tissue

## Description

Connexins are membrane-spanning proteins that assemble to form gap junction channels that facilitate the transfer of ions and small molecules between cells(Bergoffen et al., 1993). For a general discussion of connexin proteins, also known as Gap junction beta-1 protein. Gap junction beta-1 protein is a protein that in humans is encoded by the GJB1 gene. In melanocytic cells GJB1 gene expression may be regulated by MITF.

## Application Notes

The stated application concentrations are suggested starting amounts. Titration of the Connexin 32 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

## Immunogen

An amino acid sequence from the middle region of human Connexin 32/GJB1 (RACARRAQRRSNPPSRK) was used as the immunogen for this Connexin 32 antibody (100% homologous in human, mouse and rat).

## Storage

After reconstitution, the Connexin 32 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.