

# Product Datasheet

## Connexin 32/GJB1 Antibody (M12.13) NBP2-53381-100ug

Unit Size: 100 ug

Store at 4C.

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**NBP2-53381-100ug**

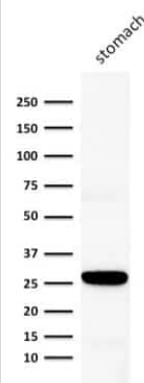
Connexin 32/GJB1 Antibody (M12.13)

Product Information	
Unit Size	100 ug
Concentration	0.2 mg/ml
Storage	Store at 4C.
Clonality	Monoclonal
Clone	M12.13
Preservative	0.05% Sodium Azide
Isotype	IgG
Purity	Protein G purified
Buffer	10 mM PBS with 0.05% BSA
Product Description	
Description	200ug/ml of antibody purified from Bioreactor Concentrate by Protein G. Prepared in 10 mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0 mg/ml. (NBP2-54367)  Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80C.
Host	Mouse
Gene ID	2705
Gene Symbol	GJB1
Species	Human, Mouse, Rat
Specificity/Sensitivity	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 therefore, one connexin usually cannot fully substitute for another.
Immunogen	Rat junctional complexes
Product Application Details	
Applications	Western Blot, Flow Cytometry, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	Western Blot 1-2 ug/ml, Flow Cytometry 1-2 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 1-2 ug/ml, Immunohistochemistry-Frozen 1-2 ug/ml
Application Notes	Immunohistochemistry (Frozen): 1-2ug/ml for 30 minutes at RT. Optimal dilution for a specific application should be determined.



## Images

Western Blot: Connexin 32/GJB1 Antibody (M12.13) [NBP2-53381] - Western Blot Analysis of human stomach lysate using Connexin 32/GJB1 Antibody (M12.13).



## Publications

Chen Z, Sun X, Chen Q et al. Connexin32 ameliorates renal fibrosis in diabetic mice by promoting K48-linked Nox4 polyubiquitination and degradation via the inhibition of Smurf1 expression Br. J. Pharmacol. [PMID: 31465542]



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### **Products Related to NBP2-53381-100ug**

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97019-5mg	Mouse IgG Isotype Control
H00002705-Q01-10ug	Recombinant Human Connexin 32/GJB1 GST (N-Term) Protein

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### **Limitations**

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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