HCN3 Monoclonal Antibody (TLL6C5)

Product Details	
Size	100 µL
Species	Human, Mouse, Rat
Published Species	Rat
Expression System	Rat / IgG1
Class	Monoclonal
Type	Antibody
Clone	TLL6C5
Conjugate	Unconjugated
Immunogen	Synthetic peptide corresponding to residues T(640) L L A R S A R R S A G S P A S P L V P V R A G P L L A R G P W A S T S(675) of rat HCN3.
Form	Liquid
Concentration	Conc. Not Determined
Storage buffer	ascites
Contains	0.05% sodium azide
Storage Conditions	-20° C, Avoid Freeze/Thaw Cycles
RRID	AB_2115028

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	1:1000	-
Western Blot (WB)	1:5000	1 Publication

Product Specific Information

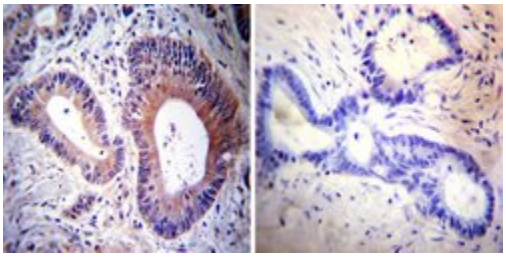
MA3-902 detects HCN3 from human, mouse and rat samples.

MA3-902 has been successfully used in Western blotting and immunohistochemistry procedures. By Western blot MA3-902 detects a ~90 KDa band representing HCN3.

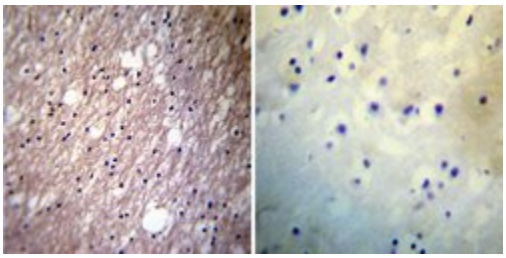
The MA3-902 immunogen is a synthetic peptide corresponding to residues T(640) L L A R S A R R S A G S P A S P L V P V R A G P L L A R G P W A S T S(675) of rat HCN3.

MA3-902 (clone TLL6C5) is a rat monoclonal hybridoma, produced by immunizing a rat, isolating the spleen cells, creating the hybridoma and successively injecting these cells into a mouse to produce ascites.

Product Images For HCN3 Monoclonal Antibody (TLL6C5)



HCN3 Antibody (MA3-902) in IHC
Immunohistochemistry was performed on cancer biopsies of deparaffinized Human colon carcinoma tissues. To expose target proteins, heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer, microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:20 with a rat monoclonal antibody recognizing Anti-HCN3 (Product # MA3-902) or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP, followed by colorimetric detection using DAB. Tissues were counterstained with hematoxylin and prepped for mounting.



HCN3 Antibody (MA3-902) in IHC
Immunohistochemistry was performed on normal deparaffinized Human brain tissue tissues. To expose target proteins, heat induced antigen retrieval was performed using 10mM sodium citrate (pH6.0) buffer, microwaved for 8-15 minutes. Following antigen retrieval tissues were blocked in 3% BSA-PBS for 30 minutes at room temperature. Tissues were then probed at a dilution of 1:20 with a rat monoclonal antibody recognizing Anti-HCN3 (Product # MA3-902) or without primary antibody (negative control) overnight at 4°C in a humidified chamber. Tissues were washed extensively with PBST and endogenous peroxidase activity was quenched with a peroxidase suppressor. Detection was performed using a biotin-conjugated secondary antibody and SA-HRP, followed by colorimetric detection using DAB. Tissues were counterstained with hematoxylin and prepped for mounting.

1 Reference

Western Blot (1)

Pflugers Archiv : European journal of physiology

Thalamocortical neurons display suppressed burst-firing due to an enhanced Ih current in a genetic model of absence epilepsy.

"MA3-902 was used in western blot to study burst-firing in TR neurons and spike-and-wave discharges in the Genetic Absence Epilepsy Rats from Strasbourg model"

Authors: Cain SM,Tyson JR,Jones KL,Snutch TP

Species
Rat
Not Applicable

Dilution
1:2000
Not Cited

Year
2015