


# PROX1 Monoclonal Antibody (5G10)

Product Details	
Size	100 µL
Species Reactivity	Chicken, Human, Mouse, Rat
Published Species	Mouse
Host/Isotype	Mouse / IgG
Class	Monoclonal
Type	Antibody
Clone	5G10
Conjugate	Unconjugated
Immunogen	Recombinant human Prox1 protein.
Form	Liquid
Purification	purified
Storage buffer	HEPES, pH 7.5, with 100µg/mL BSA, 50% glycerol, 0.15M NaCl
Contains	no preservative
Storage conditions	Maintain refrigerated at 2-8°C for up to 1 month. For long term storage store at -20°C
RRID	AB_2539823

Applications	Tested Dilution	Publications
Immunohistochemistry (IHC)	Assay-dependent	2 Publications

## Product Images For PROX1 Monoclonal Antibody (5G10)



**PROX1 Antibody (P21936) in IHC**  
Immunohistochemical staining of rat dentate gyrus showing specific immunolabeling of the Prox1 protein. Photo courtesy of Justin Klevits and Teresa Milner, Weill Cornell Medical College.

Immunohistochemistry (2)

Neuron	
<b>Ultrastructural Imaging of Activity-Dependent Synaptic Membrane-Trafficking Events in Cultured Brain Slices.</b>	<b>Year</b> 2020
"P21936 was used in Immunohistochemistry to reveal depletion of docked vesicles and resolve compensatory membrane recycling events at individual presynaptic active zones at hippocampal mossy fiber synapses upon sustained stimulation."	<b>Species</b> Mouse
Authors: Imig C,López-Murcia FJ,Maus L,García-Plaza IH,Mortensen LS,Schwark M,Schwarze V,Angibaud J,Nägerl UV,Taschenberger H,Brose N,Cooper BH	<b>Dilution</b> 1:800
Neuron	
<b>Entorhinal Cortical Ocean Cells Encode Specific Contexts and Drive Context-Specific Fear Memory.</b>	<b>Year</b> 2015
"P21936 was used in Immunohistochemistry to show that excitatory medial entorhinal cortex layer II inputs to the hippocampus have complementary roles in episodic memory."	<b>Species</b> Mouse
Authors: Kitamura T,Sun C,Martin J,Kitch LJ,Schnitzer MJ,Tonegawa S	<b>Dilution</b> 1:1000

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