

ASIC3 Polyclonal Antibody

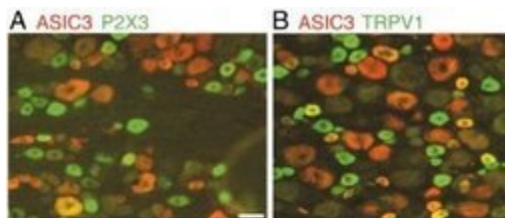
Product Details	
Size	50 µL
Species Reactivity	Rat
Host/Isotope	Guinea pig / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	synthetic peptide TASLDPDDFDPEPSDPLGSP, corresponding to amino acids 285-304 of extracellular domain of Rat ASIC3.
Form	Liquid
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4, with 1% BSA
Contains	0.05% sodium azide
Storage Conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_1954754

Applications	Tested Dilution	Publications
Immunocytochemistry (ICC)	1:100	-
Immunofluorescence (IF)	1:100	-
Immunohistochemistry (Frozen) (IHC (F))	1:100	-

Product Specific Information

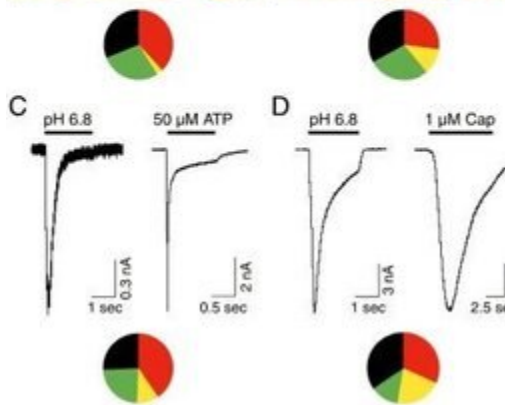
Recommended positive controls: ASIC3 transfected cells and primary neuronal cells.

Product Images For ASIC3 Polyclonal Antibody



ASIC3 Antibody (PA1-27981) in IF

Immunofluorescent analysis of ASIC3 using an ASIC3 polyclonal antibody (Product # PA1-27981). ASIC3 expression compared to other nociceptive ion channels. DRG sections double-labeled for ASIC3 (red) and either P2X3 (green, A) or TRPV1 (green, B); double-labeled cells are yellow or orange. Circle charts show the relative distribution of the three receptors among all DRG neurons. ASIC3 and P2X3 expression overlapped in only 4% of neurons, while some 35% of ASIC3-positive neurons also express TRPV1. The rare cells positive for both ASIC3 and P2X3 were large (eg. cell at lower left in A). 1406 cells counted for A; 995 for B. C, D, electrophysiological recordings reveal a qualitatively similar expression pattern for currents conforming to ASIC3, P2X3, or TRPV1. The cell that generated the currents in C counts as a co-expressor of ASIC3 and P2X3, fitting into the yellow bin in the circle plot. The cell in D is a co-expressor of ASIC3 and TRPV1. Cells were counted positive if they had at least 0.3 nA of current in response to pH 6.8 (ASIC3+), 50 μ M ATP (P2X3+; transient current only), or 1 μ M capsaicin (TRPV1). 182 cells recorded for C; 169 for D.



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