10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

ACCN5 Polyclonal Antibody

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP54737

Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q9NY37
Reactivity	Rat, Dog
Host	Rabbit
Clonality	Polyclonal
Calculated MW	57464

Additional Information

Gene ID	51802
Other Names	Acid-sensing ion channel 5, ASIC5, Amiloride-sensitive cation channel 5, Human intestine Na(+) channel, HINaC, ASIC5, ACCN5, HINAC
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-10000
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	ASIC5 (HGNC:17537)
Function	Forms bile acid-gated sodium channels and may play a role in bile acid-dependent absorption and secretion by epithelial cells of the bile ducts (PubMed:10767424, PubMed:22735174). Displays high selectivity for sodium ions but can also permit the permeation of other cations (Probable). The gating could be indirect and the consequence of alterations of the membrane environment of the channel by bile acids (By similarity). As a sodium channel of type II unipolar brush cells of the vestibulocerebellum, controlling the electrical activity of these cells, could play a role in motor coordination and balance (By similarity).
Cellular Location	Apical cell membrane {ECO:0000250|UniProtKB:Q9R0W5}; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein
Tissue Location	Detected in small intestine, duodenum and jejunum. Detected at very low levels in testis and rectum

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.