

SC5AC rabbit pAb

Cat No.:ES13190

For research use only

Overview

Product Name	SC5AC rabbit pAb
Host species	Rabbit
Applications	WB
Species Cross-Reactivity	Human; Mouse
Recommended dilutions	WB 1: 500-2000
Immunogen	Synthesized peptide derived from human SC5AC AA range: 84-134
Specificity	This antibody detects endogenous levels of SC5AC at Human/Mouse
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Storage	Store at -20°C. Avoid repeated freeze-thaw cycles.
Protein Name	SC5AC
Gene Name	SLC5A12 SMCT2
Cellular localization	Apical cell membrane ; Multi-pass membrane protein . Detected at the brush border membrane of the kidney. Colocalizes with viementin in Mueller cells (By similarity). .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	
Human Gene ID	159963
Human Swiss-Prot Number	Q1EHB4
Alternative Names	
Background	Normal blood lactate is maintained at about 1.5 mM, and little filtered lactate is excreted in urine. Reabsorption of lactate is mediated by the low-affinity Na(+)-coupled lactate transporter SLC5A12 in the initial part of the proximal tubule and by the high-affinity Na(+)-coupled lactate

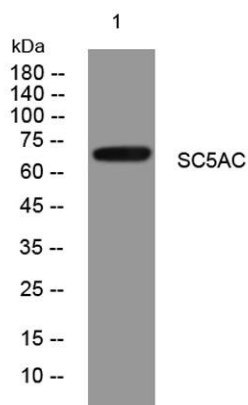




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transporter SLC5A8 (MIM 608044) in the distal proximal tubule (Gopal et al., 2007 [PubMed 17692818]).[supplied by OMIM, Dec 2008],

Western blot analysis of lysates from U2OS cells, primary antibody was diluted at 1:1000, 4°over night



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