

CLC-4 Polyclonal Antibody

Catalog No :	YT0959
Reactivity :	Human;Mouse;Rat
Applications :	WB;IF;ELISA
Target :	CLC-4
Fields :	>>Neutrophil extracellular trap formation
Gene Name :	CLCN4
Protein Name :	H(+)/Cl(-) exchange transporter 4
Human Gene Id :	1183
Human Swiss Prot No :	P51793
Mouse Gene Id :	12727
Mouse Swiss Prot No :	Q61418
Rat Swiss Prot No :	P51794
Immunogen :	The antiserum was produced against synthesized peptide derived from human CLCN4. AA range:221-270
Specificity :	CLC-4 Polyclonal Antibody detects endogenous levels of CLC-4 protein.
Formulation :	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source :	Polyclonal, Rabbit,IgG
Dilution :	WB 1:500 - 1:2000. IF 1:200 - 1:1000. ELISA: 1:40000. Not yet tested in other applications.
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Concentration : 1 mg/ml

Storage Stability : -15°C to -25°C/1 year(Do not lower than -25°C)

Observed Band : 85kD

Background : chloride voltage-gated channel 4(CLCN4) Homo sapiens The CLCN family of voltage-dependent chloride channel genes comprises nine members (CLCN1-7, Ka and Kb) which demonstrate quite diverse functional characteristics while sharing significant sequence homology. Chloride channel 4 has an evolutionary conserved CpG island and is conserved in both mouse and hamster. This gene is mapped in close proximity to APXL (Apical protein Xenopus laevis-like) and OA1 (Ocular albinism type I), which are both located on the human X chromosome at band p22.3. The physiological role of chloride channel 4 remains unknown but may contribute to the pathogenesis of neuronal disorders. Alternate splicing results in two transcript variants that encode different proteins. [provided by RefSeq, Mar 2012],

Function : function:Proton-coupled chloride transporter. Functions as antiport system and exchanges chloride ions against protons.,miscellaneous:The CLC channel family contains both chloride channels and proton-coupled anion transporters that exchange chloride or another anion for protons. The presence of conserved gating glutamate residues is typical for family members that function as antiporters.,similarity:Belongs to the chloride channel (TC 2.A.49) family.,similarity:Contains 2 CBS domains.,tissue specificity:Abundant in skeletal muscle and also detectable in brain and heart.,

Subcellular Location : Early endosome membrane ; Multi-pass membrane protein . Late endosome membrane ; Multi-pass membrane protein . Endoplasmic reticulum membrane ; Multi-pass membrane protein . Lysosome membrane ; Multi-pass membrane protein . Recycling endosome membrane ; Multi-pass membrane protein . Localizes to late endosome membrane, lysosome membrane and recycling endosome membrane in the presence of CLCN3. .

Expression : Abundant in skeletal muscle and also detectable in brain and heart.

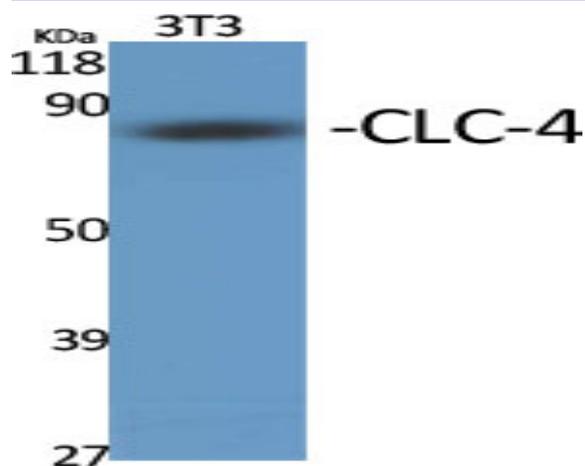
Sort : 4123

No4 : 1

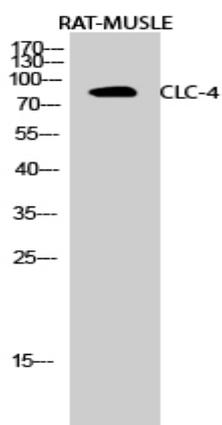
Host : Rabbit

Modifications : Unmodified

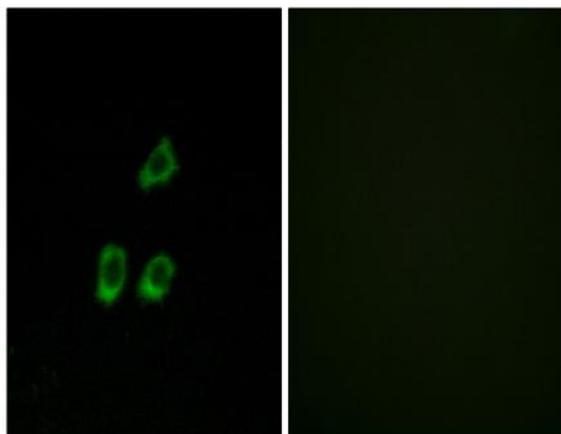
Products Images



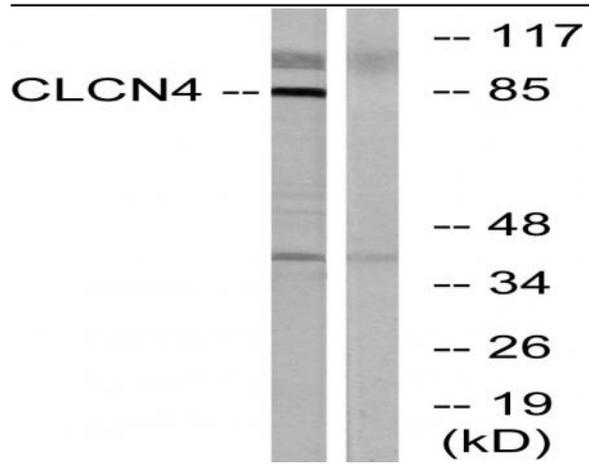
Western Blot analysis of various cells using CLC-4 Polyclonal Antibody diluted at 1:500



Western Blot analysis of RAT-MUSCLE cells using CLC-4 Polyclonal Antibody diluted at 1:500



Immunofluorescence analysis of HUVEC cells, using CLCN4 Antibody. The picture on the right is blocked with the synthesized peptide.



Western blot analysis of lysates from MCF-7 cells, using CLCN4 Antibody. The lane on the right is blocked with the synthesized peptide.