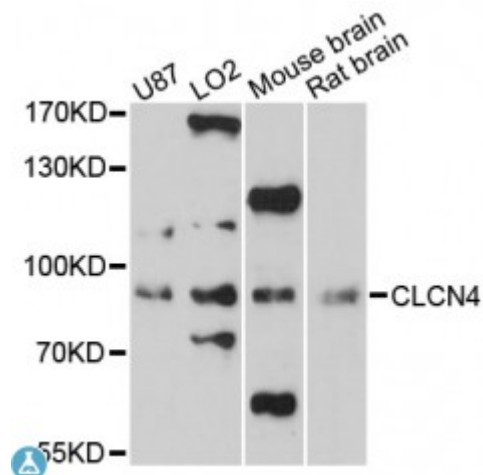


Anti-CLCN4 Antibody



Description

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.

Model	STJ115735
Host	Rabbit
Reactivity	Human, Mouse, Rat
Applications	WB
Immunogen	Recombinant fusion protein containing a sequence corresponding to amino acids 600-700 of human CLCN4 (NP_001821.2).
Gene ID	1183
Gene Symbol	CLCN4
Dilution range	WB 1:500 - 1:2000
Tissue Specificity	Abundant in skeletal muscle and also detectable in brain and heart
Purification	Affinity purification
Note	For Research Use Only (RUO).

Protein Name	H(+ /Cl(- exchange transporter 4 Chloride channel protein 4 ClC-4 Chloride transporter ClC-4
Molecular Weight	84.917 kDa
Clonality	Polyclonal
Conjugation	Unconjugated
Isotype	IgG
Formulation	PBS with 0.02% sodium azide, 50% glycerol, pH7.3.
Storage Instruction	Store at -20C. Avoid freeze / thaw cycles.
Database Links	HGNC:2022OMIM:300114Reactome:R-HSA-2672351
Alternative Names	H(+ /Cl(- exchange transporter 4 Chloride channel protein 4 ClC-4 Chloride transporter ClC-4
Function	Proton-coupled chloride transporter, Functions as antiport system and exchanges chloride ions against protons,
Cellular Localization	Early endosome membrane

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