Best Tools for immunology Research

CLC-6 Polyclonal Antibody

Catalog No :	YT0960
Reactivity :	Human;Mouse;Rat;Monkey
Applications :	WB;ELISA
Target :	CLC-6
Gene Name :	CLCN6
Protein Name :	Chloride transport protein 6
Human Gene Id :	1185
Human Swiss Prot No :	P51797
Mouse Gene Id :	26372
Mouse Swiss Prot No :	O35454
Immunogen :	The antiserum was produced against synthesized peptide derived from human CLCN6. AA range:611-660
Specificity :	CLC-6 Polyclonal Antibody detects endogenous levels of CLC-6 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. 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 : 97kD

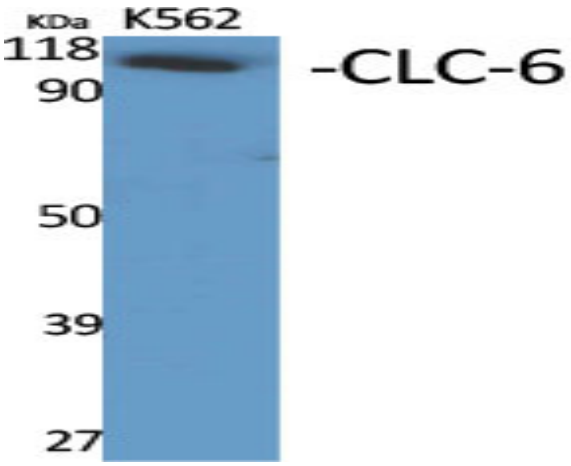
Background : chloride voltage-gated channel 6(CLCN6) Homo sapiens This gene encodes a member of the voltage-dependent chloride channel protein family. Members of this family can function as either chloride channels or antiporters. This protein is primarily localized to late endosomes and functions as a chloride/proton antiporter. Alternate splicing results in both coding and non-coding variants. Additional alternately spliced variants have been described but their full-length structure is unknown. [provided by RefSeq, Mar 2012],

Function : function:Chloride transport protein, initially identified as voltage-gated chloride channel. The presence of the conserved gating glutamate residues suggests that is functions as antiporter.,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.,PTM:N-glycosylated on several asparagine residues.,similarity:Belongs to the chloride channel (TC 2.A.49) family.,similarity:Contains 2 CBS domains.,subcellular location:Detected in detergent-resistant lipid rafts.,tissue specificity:Testis, ovary, small intestine, brain and skeletal muscle. Low level expression in aortic and coronary vascular smooth muscle cells, and aortic endothelial cells. Isoform C is only detected in kidney.,

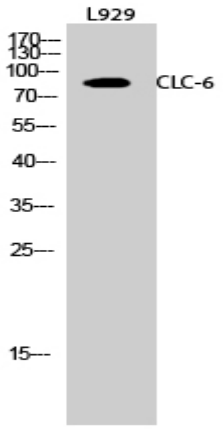
Subcellular Location : Late endosome membrane ; Multi-pass membrane protein .

Expression : Testis, ovary, small intestine, brain and skeletal muscle. Low level expression in aortic and coronary vascular smooth muscle cells, and aortic endothelial cells. Isoform 3 is only detected in kidney.

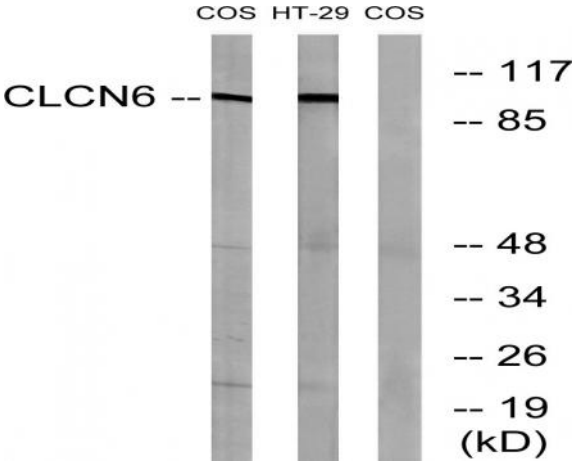
Products Images



Western Blot analysis of various cells using CLC-6 Polyclonal Antibody diluted at 1:500



Western Blot analysis of L929 cells using CLC-6 Polyclonal Antibody diluted at 1:500



Western blot analysis of lysates from COS7 and HT-29 cells, using CLCN6 Antibody. The lane on the right is blocked with the synthesized peptide.