ELK Biotechnology

CLC-7 rabbit pAb

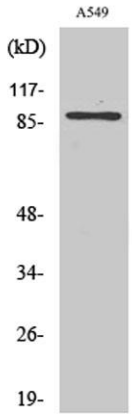
Cat No.:ES1993

For research use only

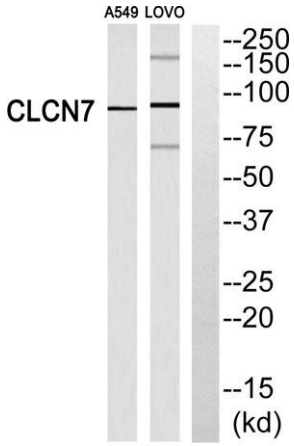
Overview

Product Name	CLC-7 rabbit pAb
Host species	Rabbit
Applications	WB;ELISA
Species Cross-Reactivity	Human;Mouse;Rat
Recommended dilutions	Western Blot: 1/500 - 1/2000. ELISA: 1/40000. Not yet tested in other applications.
Immunogen	The antiserum was produced against synthesized peptide derived from human CLCN7. AA range:10-59
Specificity	CLC-7 Polyclonal Antibody detects endogenous levels of CLC-7 protein.
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	H(+)/Cl(-) exchange transporter 7
Gene Name	CLCN7
Cellular localization	Lysosome membrane ; Multi-pass membrane protein .
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Clonality	Polyclonal
Concentration	1 mg/ml
Observed band	90kD
Human Gene ID	1186
Human Swiss-Prot Number	P51798
Alternative Names	CLCN7; H(+)/Cl(-) exchange transporter 7; Chloride channel 7 alpha subunit; Chloride channel protein 7; ClC-7
Background	chloride voltage-gated channel 7(CLCN7) Homo sapiens The product of this gene belongs to the CLC chloride channel family of proteins. Chloride channels play important roles in the plasma membrane and in intracellular organelles. This gene

encodes chloride channel 7. Defects in this gene are the cause of osteopetrosis autosomal recessive type 4 (OPTB4), also called infantile malignant osteopetrosis type 2 as well as the cause of autosomal dominant osteopetrosis type 2 (OPTA2), also called autosomal dominant Albers-Schonberg disease or marble disease autosoml dominant. Osteopetrosis is a rare genetic disease characterized by abnormally dense bone, due to defective resorption of immature bone. OPTA2 is the most common form of osteopetrosis, occurring in adolescence or adulthood. [provided by RefSeq, Jul 2008],



Western Blot analysis of A549 cells using CLC-7 Polyclonal Antibody diluted at 1:500



Western blot analysis of CLCN7 Antibody. The lane on the right is blocked with the CLCN7 peptide.

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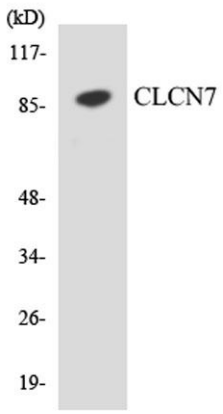

Western blot analysis of the lysates from COLO205 cells using CLCN7 antibody.

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