



# Anti-CLCN4 (internal region) polyclonal antibody (CABT-BL4367)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Rabbit Polyclonal antibody to Human CLCN4.
<b>Immunogen</b>	Synthesized peptide derived from an internal region of human CLCN4.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Rabbit
<b>Species Reactivity</b>	Human
<b>Purification</b>	Immunogen affinity purified
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	WB, ELISA, ICC/IF
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	50% Glycerol, PBS (without Mg <sup>2+</sup> and Ca <sup>2+</sup> ), 150mM Sodium chloride, pH 7.4
<b>Preservative</b>	0.02% Sodium Azide
<b>Storage</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze/thaw cycles.

## BACKGROUND

<b>Introduction</b>	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
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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]

## GENE INFORMATION

Entrez Gene ID	<a href="#">1183</a>
Protein Refseq	<a href="#">NP_001821</a>
UniProt ID	<a href="#">P51793</a>
Chromosome Location	Xp22.3
Function	ATP binding; antiporter activity; chloride channel activity; ion channel activity; nucleotide binding; voltage-gated chloride channel activity;