

## Goat anti-CLCN2 Antibody

<b>Item Number</b>	dAP-2076
<b>Target Molecule</b>	Principle Name: CLCN2; Official Symbol: CLCN2; All Names and Symbols: CLCN2; chloride channel 2; CIC-2; CLC2; ECA2; ECA3; EGI11; EGI3; EGMA; EJM6; EJM8; Epilepsy, idiopathic generalized, susceptibility to; Accession Number (s): NP_004357.3; Human Gene ID(s): 1181; Non-Human GeneID(s): 12724 (mouse) 29232 (rat)
<b>Immunogen</b>	QQLDEPVNFSDCK, is from internal region This antibody is expected to recognize all reported isoforms (NP_004357.3; NP_001164558.1; NP_001164559.1; NP_001164560.1).
<b>Applications</b>	Pep ELISA, WB  Species Tested: Human
<b>Purification</b>	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
<b>Supplied As</b>	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
<b>Peptide ELISA</b>	Peptide ELISA: antibody detection limit dilution 1 to 64000.
<b>Western Blot</b>	Western Blot: Approx 100kDa band observed in lysates of cell line HeLa (calculated MW of 98.5kDa according to NP_004357.3). Recommended concentration: 0.3-1µg/ml.
<b>IHC</b>	

<b>Reference</b>	Reference(s): Cornejo I, Niemeyer MI, Zúñiga L, Yusef YR, Sepúlveda FV, Cid LP. Rapid recycling of CIC-2 chloride channels between plasma membrane and endosomes: role of a tyrosine endocytosis motif in surface retrieval. J Cell Physiol. 2009 Dec;221(3):650-7..PMID: 19711355->
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Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**