



# Claudin-4 rabbit pAb

Cat No.:ES4789

For research use only

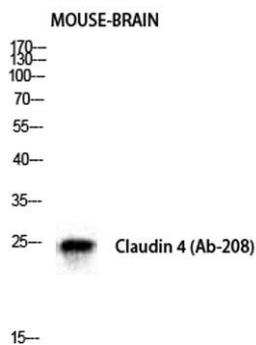
## Overview

<b>Product Name</b>	Claudin-4 rabbit pAb
<b>Host species</b>	Rabbit
<b>Applications</b>	WB;IHC;IF;ELISA
<b>Species Cross-Reactivity</b>	Human;Rat;Mouse;
<b>Recommended dilutions</b>	Western Blot: 1/500 - 1/2000. Immunohistochemistry: 1/100 - 1/300. ELISA: 1/5000. Not yet tested in other applications.
<b>Immunogen</b>	The antiserum was produced against synthesized peptide derived from human Claudin 4. AA range:160-209
<b>Specificity</b>	Claudin-4 Polyclonal Antibody detects endogenous levels of Claudin-4 protein.
<b>Formulation</b>	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
<b>Storage</b>	Store at -20°C. Avoid repeated freeze-thaw cycles.
<b>Protein Name</b>	Claudin-4
<b>Gene Name</b>	CLDN4
<b>Cellular localization</b>	Cell junction, tight junction . Cell membrane ; Multi-pass membrane protein . CLDN4 is required for tight junction localization in the kidney. .
<b>Purification</b>	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
<b>Clonality</b>	Polyclonal
<b>Concentration</b>	1 mg/ml
<b>Observed band</b>	28kD
<b>Human Gene ID</b>	1364
<b>Human Swiss-Prot Number</b>	O14493
<b>Alternative Names</b>	CLDN4; CPER; CPETR1; WBSCR8; Claudin-4; Clostridium perfringens enterotoxin receptor; CPE-R; CPE-receptor; Williams-Beuren syndrome chromosomal region 8 protein
<b>Background</b>	The protein encoded by this intronless gene belongs



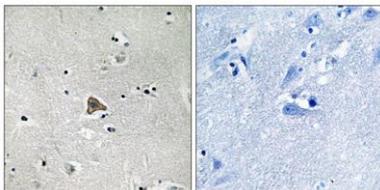


to the claudin family. Claudins are integral membrane proteins that are components of the epithelial cell tight junctions, which regulate movement of solutes and ions through the paracellular space. This protein is a high-affinity receptor for Clostridium perfringens enterotoxin (CPE) and may play a role in internal organ development and function during pre- and postnatal life. This gene is deleted in Williams-Beuren syndrome, a neurodevelopmental disorder affecting multiple systems. [provided by RefSeq, Sep 2013],



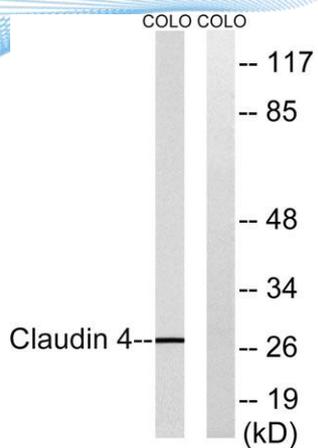
Western Blot analysis of mouse-BRAIN cells using Claudin-4 Polyclonal Antibody diluted at 1:500

Immunohistochemistry analysis of paraffin-embedded human brain tissue, using Claudin 4 Antibody. The picture on the right is blocked with the synthesized peptide.





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Western blot analysis of lysates from COLO cells, using Claudin 4 Antibody. The lane on the right is blocked with the synthesized peptide.



+86-27-59760950

[ELKbio@ELKbiotech.com](mailto:ELKbio@ELKbiotech.com)

[www.elkbiotech.com](http://www.elkbiotech.com)

23-2, No.388 Gaoxin 2nd Road,Wuhan East Lake Hi-tech Development Zone, Hubei , P.R.C