



Rabbit Anti Human Claudin 15 polyclonal antibody (CABT-L6362)

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

PRODUCT INFORMATION

Specificity	Claudin 15 Antibody detects endogenous levels of total Claudin 15
Immunogen	A synthesized peptide derived from Human Claudin 15.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human, Bovine (Predicted)
Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin
Conjugate	Unconjugated
Applications	Recommended dilution IHC 1:50-1:200, IF/ICC 1:100-1:500 Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.
Format	Liquid
Concentration	Lot specific
Size	100 ul, 200 ul
Buffer	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Preservative	0.02% sodium azide

Storage	Shipped at 4°C. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
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Ship	Wet ice
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BACKGROUND

Introduction

Claudins function as major constituents of the tight junction complexes that regulate the permeability of epithelia. While some claudin family members function as impermeable barriers, others mediate the permeability to ions and small molecules. Often, several claudin family members are coexpressed and interact with each other, and this determines the overall permeability. CLDN15 forms tight junctions that mediate the paracellular transport of small monovalent cations along a concentration gradient, due to selective permeability for Na(+), Li(+) and K(+) ions, but selects against Cl(-) ions. Plays an important role in paracellular Na(+) transport in the intestine and in Na(+) homeostasis. Required for normal Na(+)-dependent intestinal nutrient uptake.
