ARG63612
anti-CLDN14 / Claudin 14 antibody

Package: 100 µg, 50 µg
Store at: -20°C

Summary

Product Description	Goat Polyclonal antibody recognizes CLDN14 / Claudin 14
Tested Reactivity	Hu
Predict Reactivity	Ms, Rat, Cow, Dog, Pig
Tested Application	IHC-P, WB
Specificity	Reported variants represent identical protein (NP_036262.1; NP_652763.1; NP_001139551.1; NP_001139550.1 and NP_001139549.1).
Host	Goat
Clonality	Polyclonal
Isotype	IgG
Target Name	CLDN14 / Claudin 14
Species	Human
Immunogen	C-SATHSGYRLNDYV
Conjugation	Un-conjugated
Alternate Names	DFNB29; Claudin-14

Application Instructions

Application table

Application	Dilution
IHC-P	Assay - dependent
WB	0.3 - 1 µg/ml

Application Note

WB: Recommend incubate at RT for 1h.
IHC-P: Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0).
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Purification	Purified from goat serum by antigen affinity chromatography.
Buffer	Tris saline (pH 7.3), 0.02% Sodium azide and 0.5% BSA.
Preservative	0.02% Sodium azide
Stabilizer	0.5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated

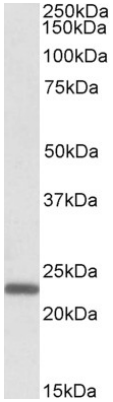
freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

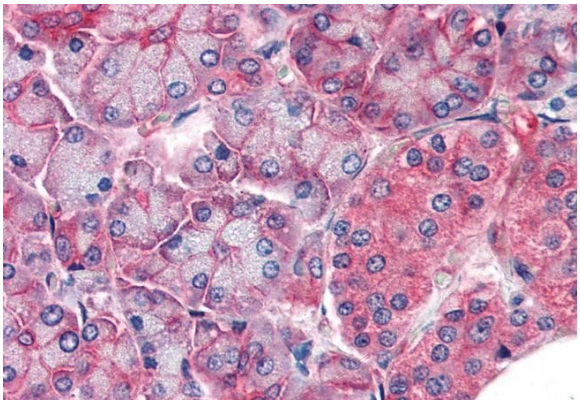
Database links	GeneID: 23562 Human Swiss-port # O95500 Human
Background	Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. The protein encoded by this gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. The encoded protein also binds specifically to the WW domain of Yes-associated protein. Defects in this gene are the cause of an autosomal recessive form of nonsyndromic sensorineural deafness. It is also reported that four synonymous variants in this gene are associated with kidney stones and reduced bone mineral density. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jun 2010]
Research Area	Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	26 kDa

Images



ARG63612 anti-CLDN14 / Claudin 14 antibody WB image

Western blot: Human liver lysate (35 µg protein in RIPA buffer) stained with ARG63612 anti-CLDN14 / Claudin 14 antibody at 0.3 µg/ml dilution.



ARG63612 anti-CLDN14 / Claudin 14 antibody IHC-P image

Immunohistochemistry: Paraffin-embedded Human pancreas tissue. Antigen Retrieval: Steam tissue section in Citrate buffer (pH 6.0). The tissue section was stained with ARG63612 anti-CLDN14 / Claudin 14 antibody at 5 µg/ml dilution followed by AP-staining.