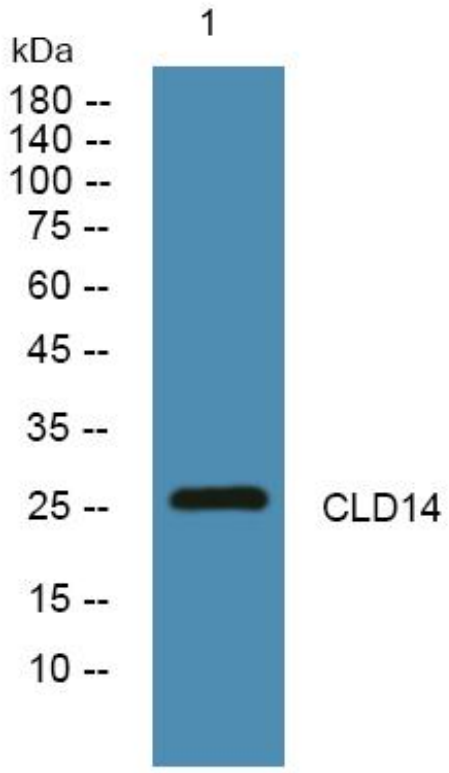
CLD14 Monoclonal Antibody

Catalog No	BYmab-05475
Isotype	IgG
Reactivity	Human;Mouse
Applications	WB
Gene Name	CLDN14 UNQ777/PRO1571
Protein Name	Claudin-14
Immunogen	Synthesized peptide derived from part region of human protein
Specificity	CLD14 Monoclonal Antibody detects endogenous levels of protein.
Formulation	Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	
Observed Band	26kD
Cell Pathway	Cell junction, tight junction. Cell membrane; Multi-pass membrane protein.
Tissue Specificity	Liver, kidney. Also found in ear.
Function	disease:Defects in CLDN14 are the cause of non-syndromic sensorineural deafness autosomal recessive type 29 (DFNB29) [MIM:605608]. DFNB29 is a form of sensorineural hearing loss. Sensorineural deafness results from damage to the neural receptors of the inner ear, the nerve pathways to the brain, or the area of the brain that receives sound information.,function:Plays a major role in tight junction-specific obliteration of the intercellular space, through calcium-independent cell-adhesion activity.,similarity:Belongs to the claudin family.,tissue specificity:Liver, kidney. Also found in ear.,
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
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using CLD14 Monoclonal Antibody