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Anti-Claudin 1 Rabbit mAb [17D42]

Catalog No.: A52082

Basic Information

Catalog No. (Cat.No.)	A52082
Host species	Rabbit
Reactivity	Human,Mouse,Rat
Applications	WB,IHC,IP,IF,ELISA
Synonyms	Claudin 1,Claudin-1,CLJ,occludin-like protein,ZO-1-interacting protein

Product Information

Target	Claudin 1
Molecular Weight(Calculated)	22 kDa
Molecular Weight(Observed)	19 kDa
Isotype	IgG,Kappa
Conjugation	NA
Concentration	0.2 mg/ml
Clonality	Monoclonal
Clone No.	17D42
RRID	NA
Storage buffer	50% Glycerol, 0.05% BSA and 0.05% preservative in PBS (pH 7.2-7.4)
Storage	Stored at -20°C for 1 year. Avoid repeated freeze / thaw cycles.
Shipped at conditions	Frozen
Form	Liquid

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Product Usage Information

Application	Dilution
WB	1:1000-1:5000
IHC	1:200-1:1000
IP	1:50-1:200
IF	1:200-1:1000
ELISA	1:5000-1:20000

Target Information

Protein Name	Claudin-1
Gene Name	*CLDN1*
Domain	NA
Background	Claudin 1 belongs to Claudin tight-junction protein family and builds epithelial tight junctions to sustain tissue barrier function. Localized at tight-junction sites of epithelial and endothelial cells, Claudin1 engages in homotypic or heterotypic interactions with Claudin molecules on adjacent cells, constitutes tight-junction barrier and controls paracellular permeability to preserve epithelial integrity. Claudin1 also modulates cell proliferation and migration signaling. Its dysregulation disrupts epithelial barrier and contributes to tumor invasion and metastasis.