Claudin-2 (8H11) Mouse mAb

Cat No: HR1AM2514

For research use only

Overview

Product Name	Claudin-2 (8H11) Mouse mAb
Source	Mouse
Applications	WB, IHC
Species Reactivity	Human,Rat,Mouse
Recommended Dilutions	WB 1:1,000-2,000 IHC:1;100-1:200
Immunogen	
Species	Mouse
Storage	PBS with 0.02% sodium azide and 50% glycerol pH 7.4. Store at -20°C. Avoid repeated freeze-thaw cycles.
Isotype	IgG1
Clonality	Monoclonal
Concentration	1mg/ml
Observed band	25kDakDa
GeneID?Human?	9075
Human Swiss-Prot No.	
Cellular localization	
Alternative Names	N/A
Background	The claudin family is composed of 23 integral membrane proteins, and their expression, which varies among tissue types, may determine both the strength and properties of the epithelial barrier. Alteration in claudin protein expression pattern is associated with several types of cancer . Claudin-2 is expressed primarily in the proximal tubule of the normal mammalian kidney, where it regulates transepithelial ion (e.g., Na+, Cl-) reabsorption . Increased expression of Claudin-2 has been reported in some cancer cell lines , including A549 lung adenocarcinoma cells, where its nuclear distribution was positively associated with enhanced proliferation .