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Claudin18.2

Mouse Monoclonal antibody(Mab)
Catalog # AD80611

Product Information

Application	IHC-P
Primary Accession	P56857
Host	Mouse
Clonality	Monoclonal
Clone Names	127E6G8
Calculated MW	28122

Additional Information

Gene ID	56492
Other Names	Claudin-18, Cldn18
Dilution	IHC-P~~Ready-to-use
Storage	Maintain refrigerated at 2-8°C.
Precautions	Claudin18.2 is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Cldn18
Function	Involved in alveolar fluid homeostasis via regulation of alveolar epithelial tight junction composition and therefore ion transport and solute permeability, potentially via downstream regulation of the actin cytoskeleton organization and beta-2-adrenergic signaling (PubMed:24588076). Required for lung alveolarization and maintenance of the paracellular alveolar epithelial barrier (PubMed:24787463). Acts to maintain epithelial progenitor cell proliferation and organ size, via regulation of YAP1 localization away from the nucleus and thereby restriction of YAP1 target gene transcription (PubMed:29400695). Acts as a negative regulator of RANKL- induced osteoclast differentiation, potentially via relocation of TJP2/ZO-2 away from the nucleus, subsequently involved in bone resorption in response to calcium deficiency (PubMed:22437732). Mediates the osteoprotective effects of estrogen, potentially via acting downstream of estrogen signaling independently of RANKL signaling pathways (PubMed:23299504).
Cellular Location	Cell junction, tight junction. Cell membrane; Multi-pass membrane protein. Note=Localizes to tight junctions in epithelial cells. [Isoform A2.1]: Cell junction, tight junction. Lateral cell membrane
Tissue Location	Expressed in the lung (at protein level). [Isoform A1.2]: Expressed in lung. [Isoform A2.2]: Expressed in stomach.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.