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Tmem2 antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI12010

Product Information

Application	WB
Primary Accession	Q5FWI3
Other Accession	NM_001033759, NP_001028931
Reactivity	Human, Mouse, Rat, Rabbit, Pig, Dog, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Dog, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	153801

Additional Information

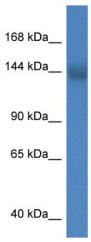
Gene ID	83921
Alias Symbol	3110012M15Rik, MGC102198, mKIAA1412
Other Names	Transmembrane protein 2, Tmem2, Kiaa1412
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Tmem2 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Tmem2 antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Cemip2 {ECO:0000312|MGI:MGI:1890373}
Function	Cell surface hyaluronidase that mediates the initial cleavage of extracellular high-molecular-weight hyaluronan into intermediate- size hyaluronan of approximately 5 kDa fragments (PubMed:28246172, PubMed:37196767, PubMed:37527776). Very specific to hyaluronan; not able to cleave chondroitin sulfate or dermatan sulfate (PubMed:28246172). Has an essential function in systemic hyaluronan catabolism and turnover and regulates cell adhesion and migration via hyaluronan degradation at focal adhesion sites (PubMed:33647313, PubMed:34624311). Acts as a regulator of angiogenesis and heart morphogenesis by mediating degradation of extracellular hyaluronan, thereby regulating VEGF signaling (By similarity).

Cellular Location	Cell membrane; Single-pass type II membrane protein
Tissue Location	Widely expressed (PubMed:10767548, PubMed:28246172). Strongly expressed in endothelial cells in the subcapsular sinus of lymph nodes and in the liver sinusoid, two primary sites implicated in systemic hyaluronan turnover (PubMed:34624311)

Images



WB Suggested Anti-Tmem2 Antibody Titration: 1.0 µg/ml
Positive Control: Mouse Liver

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