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Aquaporin 5 Rabbit mAb

Catalog # AP77481

Specification

Aquaporin 5 Rabbit mAb - Product Information

Application	**WB, IHC**
Primary Accession	P55064
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Monoclonal Antibody**
Calculated MW	**28292**

Aquaporin 5 Rabbit mAb - Additional Information

Gene ID 362

Other Names
AQP5

Dilution
WB~~1/500-1/1000
IHC~~1/50-1/100

Format
Liquid

Aquaporin 5 Rabbit mAb - Protein Information

Name AQP5 (HGNC:638)

Function
Aquaporins form homotetrameric transmembrane channels, with each monomer independently mediating water transport across the plasma membrane along its osmotic gradient (PubMed:18768791, PubMed:8621489). Plays an important role in fluid secretion in salivary glands (By similarity). Required for TRPV4 activation by hypotonicity. Together with TRPV4, controls regulatory volume decrease in salivary epithelial cells (PubMed:16571723). Seems to play a redundant role in water transport in the eye, lung and in sweat glands (By similarity).

Cellular Location
Apical cell membrane; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein. Cytoplasmic vesicle membrane; Multi-pass membrane protein Note=Hypotonicity increases location at the cell membrane Phosphorylation decreases location at the cell membrane

Tissue Location
Detected in skin eccrine sweat glands, at the apical cell membrane and at intercellular canaliculi

(at protein level).

Aquaporin 5 Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

Aquaporin 5 Rabbit mAb - Images