

Aquaporin 5 Rabbit mAb
Catalog # AP75098**Specification**

Aquaporin 5 Rabbit mAb - Product Information

Application	WB
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

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 Cytometry](#)
- [Cell Culture](#)

Aquaporin 5 Rabbit mAb - Images

