

RecomAb™

AQP5 recombinant monoclonal antibody, clone R03-9E3

Catalog # RAB01593 Size 100 uL

Applications



Western Blot

Western blot analysis of Aquaporin 5 in MCF-7 lysates using human Aquaporin 5 recombinant monoclonal antibody, clone R03-9E3 (Cat # RAB01593).

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against synthetic peptide of human Aquaporin 5.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human Aquaporin 5
Theoretical MW (kDa)	Calculated MW: 28 kD
Reactivity	Human
Form	Liquid
Purification	Affinity purification
Isotype	IgG
Recommend Usage	Immunofluorescence(1:50-1:200) Immunohistochemistry (1:50-1:100) Western Blot (1:500-1:1000) The optimal working dilution should be determined by the end user.
Storage Buffer	In 50 mM Tris-Glycine, pH 7.4 (0.15 M NaCl, 40% Glycerol, 0.01% Sodium azide and 0.05% BSA)

Storage Instruction

Store at 4°C for short term. For long term storage store at -20°C.
Aliquot to avoid repeated freezing and thawing.

Note

This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Applications

- Western Blot

Western blot analysis of Aquaporin 5 in MCF-7 lysates using human Aquaporin 5 recombinant monoclonal antibody, clone R03-9E3 (Cat # RAB01593).

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

- Immunohistochemistry (Frozen sections)

- Immunocytochemistry

Gene Info — AQP5

Entrez GeneID[362](#)**Protein Accession#**[P55064](#)**Gene Name**

AQP5

Gene Alias

-

Gene Description

aquaporin 5

Omim ID[600442](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

Aquaporin 5 (AQP5) is a water channel protein. Aquaporins are a family of small integral membrane proteins related to the major intrinsic protein (MIP or AQP0). Aquaporin 5 plays a role in the generation of saliva, tears and pulmonary secretions. AQP0, AQP2, AQP5, and AQP6 are closely related and all map to 12q13. [provided by RefSeq]

Other Designations

Aquaporin-5

Disease

- [Asthma](#)
- [Coronary Artery Disease](#)
- [Genetic Predisposition to Disease](#)
- [Pulmonary Disease](#)