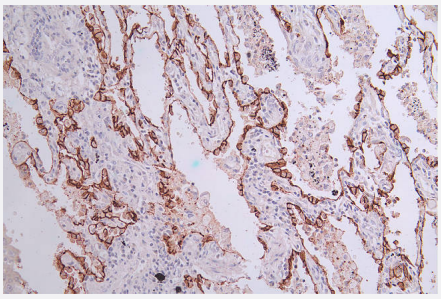
RecomAb™

AQP4 recombinant monoclonal antibody, clone 22F10

Catalog # RAB07713 Size 100 uL

Applications



Immunohistochemistry

Immunohistochemistry image of AQP4 recombinant monoclonal antibody, clone 22F10 diluted at 1:50 and staining in paraffin-embedded human lung cancer performed on a Leica BondTM system.

Specification

Product Description	Rabbit recombinant monoclonal antibody raised against human AQP4.
Antibody Species	Rabbit
Immunogen	Original antibody is raised against a synthetic peptide corresponding to human AQP4.
Reactivity	Human
Form	Liquid
Preparation Method	Mammalian cell (HEK293) expression system
Purification	Affinity chromatography purification
Isotype	IgG
Recommend Usage	ELISA Immunohistochemistry(1:50-1:200) The optimal working dilution should be determined by the end user.
Storage Buffer	In PBS, pH7.4 (150 mM NaCl, 0.02% sodium azide and 50% glycerol)

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Storage Instruction	Store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing.
Note	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which shoul d be handled by trained staff only.

Applications

- Immunohistochemistry

  Immunohistochemistry image of AQP4 recombinant monoclonal antibody, clone 22F10 diluted at 1:50 and staining in paraffin-embedded human lung cancer performed on a Leica BondTM system.

- Enzyme-linked Immunoabsorbent Assay

Gene Info — AQP4

Entrez GeneID	361
Protein Accession#	P55087
Gene Name	AQP4
Gene Alias	HMIWC2, MGC22454, MIWC
Gene Description	aquaporin 4
Omim ID	600308
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a member of the aquaporin family of intrinsic membrane proteins that function as water-selective channels in the plasma membranes of many cells. The encoded protein is the predominant aquaporin found in brain. Two alternatively spliced transcript variants encoding distin ct isoforms have been found for this gene. [provided by RefSeq
Other Designations	aquaporin type4|aquaporin-4|mercurial-insensitive water channel

Publication Reference

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- Cystoid Macular Edema in Retinitis Pigmentosa: Pathophysiologic Insight Using Swept-Source OCT and Angiography.

  Taariq K Mohammed, Kyle M Green, D Brice Critser, S Scott Whitmore, Lauryn J Renze, Robert F Mullins, Edwin M Stone, Ian C Han.

  Ophthalmology Science 2026 Apr; 6(6):101193.

  Application: IF, Human, Human retina

Disease

- Atherosclerosis
- Brain Edema
- Brain Injuries
- Epilepsy
- Genetic Predisposition to Disease
- Infarction
- Migraine Disorders
- Schizophrenia
- Sclerosis
- Sudden Infant Death

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