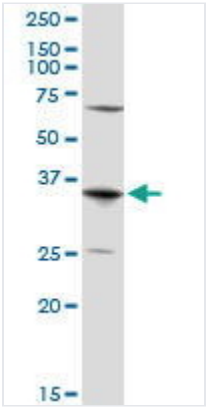
AQP7 Antibody – Rabbit Polyclonal

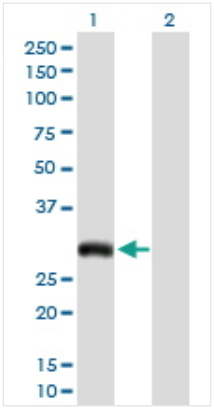
PRODUCT OVERVIEW

Product Name	AQP7, Polyclonal Antibody
Full Product Name	AQP7 (Aquaporin 7, Aquaporin-7, AQP-7, Aquaglyceroporin-7, Aquaporin Adipose, AQPap, Aquaporin-7-like, AQP7L, AQP9) (FITC)
Product Gene Name	anti-AQP7 antibody
Clonality	Polyclonal
Isotype	IgG
Host	Rabbit
Species Reactivity	Human
Form/Format	Supplied as a liquid in PBS, pH 7.2. No preservative added. Labeled with Fluorescein Isothiocyanate (FITC).
Purity/Purification	Purified by Protein A Affinity Chromatography.
Specificity	Recognizes human AQP7.
Preparation and Storage	Store product at 4 degree C if to be used immediately within two weeks. For long-term storage, aliquot to avoid repeated freezing and thawing and stor
Molecular Weight	37,232 Da
Chromosome Location	Chromosome: 9; NC_000009.11 (33384948..33402517, complement). Location: 9p13
OMIM	gene 614411
3D Structure	ModBase 3D Structure for O14520
Immunogen	Full length human AQP7, aa1-342 (NP_001161.1).
Immunogen Sequence	MVQASGHRRSTRGSKMVSWSVIAKIQEILQRKMVREFLAEFMSTYVMMVFGLGSVAHMVLNKKYGSYLGVNLGFGFGVTMGVHVAGRISGAHMNAAVT
Conjugate	FITC
Note	Preservative Free
Product Categories/Family for anti-AQP7 antibody	Antibodies; Aquaporin
Applications Tested/Suitable for anti-AQP7 antibody	Western Blot (WB)
Application Notes for anti-AQP7 antibody	Applications are based on unconjugated antibody.

Related Product Information for anti-AQP7 antibody	MBS6370202 is an antibody targeting AQP7. Also known as AQP7 (Aquaporin 7, Aquaporin-7, AQP-7, Aquaglyceroporin-7, Aquaporin Adipose, AQPa
Other Notes	Small volumes of anti-AQP7 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necess



Western Blot (WB) of anti-AQP7 antibody
AQP7 rabbit polyclonal antibody. Western Blot analysis of AQP7 expression in Jurkat.



Western Blot (WB) of anti-AQP7 antibody
Western Blot analysis of AQP7 expression in transfected 293T cell line by AQP7 polyclonal antibody. Lane 1: AQP7 transfected lysate (37.2kD). Lane 2: Non-transfected lysate.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for AQP7. It may not necessarily be applicable to this product.

NCBI GI #	4502187
NCBI GeneID	364
NCBI Accession #	NP_001161.1
UniProt Primary Accession #	O14520
UniProt Secondary Accession #	Q5T5L9; Q8NHM3
UniProt Related Accession #	O14520
GenBank Nucleotide #	NM_001170
NCBI Official Full Name	aquaporin-7
NCBI Official Synonym Full Names	aquaporin 7
NCBI Official Symbol	AQP7
NCBI Official Synonym Symbols	AQP9; AQP7L; AQPap; GLYCQTL
UniProt Protein Name	Aquaporin-7
UniProt Synonym Protein Names	Aquaglyceroporin-7; Aquaporin adipose; AQPap; Aquaporin-7-like
Protein Family	Aquaporin
UniProt Gene Name	AQP7
UniProt Synonym Gene Names	AQP7L; AQP9; AQP-7; AQPap
UniProt Entry Name	AQP7_HUMAN
NCBI Protein Information	aquaporin-7; AQP-7; aquaporin adipose; aquaglyceroporin-7

UniProt Comments for AQP7	AQP7: Forms a channel for water and glycerol. Belongs to the MIP/aquaporin (TC 1.A.8) family. Protein type: Membrane protein, multi-pass; Membrane protein, integral; Transporter; Transporter, aquaporin family Chromosomal Location of Human Ortholog: 9p13 Cellular Component: integral to plasma membrane; cytoplasm; plasma membrane; intercellular junction Molecular Function: urea transmembrane transporter activity; water channel activity; glycerol channel activity Biological Process: glycerol transport; generation of precursor metabolites and energy; cellular water homeostasis; water transport; excretion; transmembrane transport Disease: Glycerol Quantitative Trait Locus
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