

Anti-AQP1 antibody (170-269) [S5MR] (STJ11102015)

GENERAL INFORMATION

Product Type	Primary antibodies
Applications	WB/IHC-P/IF/ICC/ELISA
Host / Source	Rabbit
Reactivity	Human/Mouse/Rat

PRODUCT PROPERTIES

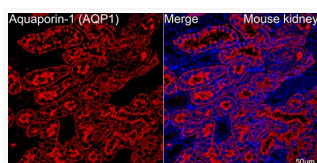
Clonality	Monoclonal
Concentration	Lot specific
Conjugation	Unconjugated
Purification	Affinity purification
Dilution Range	WB:1:1000-1:6000 IHC-P:1:500-1:2000 IF/ICC:1:100-1:1000 ELISA:Recommended starting concentration is 1 Mu g/mL. Please optimize the concentration based on your specific assay requirements.
Formulation	PBS with 0.02% Sodium Azide, 0.05% BSA, 50% Glycerol, pH 7.3.
Isotype	IgG
Molecular Weight	Protein Mw: 29kDa Observed Mw: 26kDa
Storage Instruction	Store at -20°C for up to 1 year from the date of receipt, and avoid repeat freeze-thaw cycles.

TARGET INFORMATION

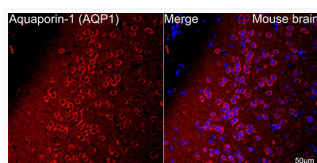
Gene ID	358
Gene Symbol	AQP1
UniProt ID	AQP1_HUMAN
Immunogen Region	170-269
Immunogen Sequence	LAIGLSVALGHLLAIDYTGC GINPARSFGSAVITHNFSNH WIFWVGPFIGGALAVLIYDF ILAPRSSDLTDRVKVWTSQG VEEYDLDDADDINSRVEMKPK
Specificity	A synthetic peptide corresponding to a sequence within amino acids 170-269 of human Aquaporin-1 (Aquaporin-1 (AQP1)) (P29972).

ADDITIONAL INFORMATION

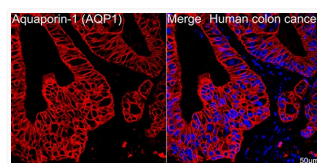
Note **STRICTLY FOR FURTHER SCIENTIFIC RESEARCH USE ONLY (RUO). MUST NOT TO BE USED IN DIAGNOSTIC OR THERAPEUTIC APPLICATIONS.**



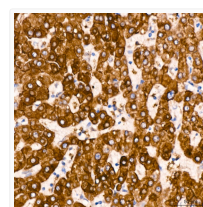
Confocal imaging of paraffin-embedded Mouse kidney tissue using Aquaporin-1 (AQP1) Rabbit monoclonal antibody (STJ11102015, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x.



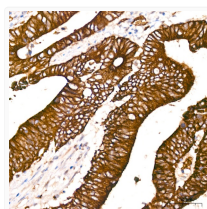
Confocal imaging of paraffin-embedded Mouse brain tissue using Aquaporin-1 (AQP1) Rabbit monoclonal antibody (STJ11102015, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x.



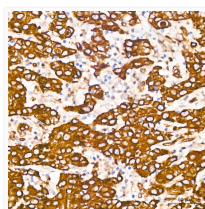
Confocal imaging of paraffin-embedded Human colon cancer tissue using Aquaporin-1 (AQP1) Rabbit monoclonal antibody (STJ11102015, dilution 1:100) followed by a further incubation with Cy3 Goat Anti-Rabbit IgG (H+L) (dilution 1:500) (Red). DAPI was used for nuclear staining (Blue). Objective: 40x.



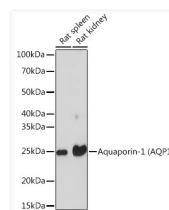
Immunohistochemistry analysis of Aquaporin-1 (AQP1) in paraffin-embedded human liver using Aquaporin-1 (AQP1) Rabbit monoclonal antibody (STJ11102015) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



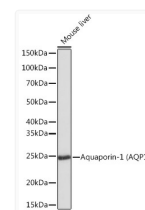
Immunohistochemistry analysis of Aquaporin-1 (AQP1) in paraffin-embedded human colon carcinoma using Aquaporin-1 (AQP1) Rabbit monoclonal antibody (STJ11102015) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Immunohistochemistry analysis of Aquaporin-1 (AQP1) in paraffin-embedded human breast cancer using Aquaporin-1 (AQP1) Rabbit monoclonal antibody (STJ11102015) at dilution of 1:200 (40x lens). Perform high pressure antigen retrieval with 10 mM citrate buffer pH 6.0 before commencing with immunohistochemistry staining protocol.



Western blot analysis of various lysates using Aquaporin-1 (AQP1) Rabbit monoclonal antibody (STJ11102015) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 10s.



Western blot analysis of lysates from Mouse liver, using Aquaporin-1 (AQP1) Rabbit monoclonal antibody (STJ11102015) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (STJS000856) at 1:10000 dilution. Lysates/proteins: 25 Mu g per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Basic Kit. Exposure time: 1s.