Datasheet for ABIN5518807

anti-AQP6 antibody (C-Term)

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Overview

Quantity:	100 µg
Target:	AQP6
Binding Specificity:	AA 238-271, C-Term
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AQP6 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Aquaporin-6(AQP6) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence at the C-terminus of human Aquaporin 6 (238-271aa DTKTLAQRLAILTGTVEVGTGAGAGAEPLKKESQ), different from the related mouse and rat sequences by fourteen amino acids.
Sequence:	DTKTLAQRLA ILTGTVEVGT GAGAGAEPLK KESQ
Isotype:	IgG
Cross-Reactivity (Details):	No cross reactivity with other proteins.
Characteristics:	Rabbit IgG polyclonal antibody for Aquaporin-6(AQP6) detection. Tested with WB, IHC-P in Human,Mouse,Rat. Gene Name: aquaporin 6

Product Details

	Protein Name: Aquaporin-6
Purification:	Immunogen affinity purified.

Target Details

Target:	AQP6
Alternative Name:	AQP6 (AQP6 Products)
Background:	Aquaporin 6, kidney specific is a protein in humans that is encoded by the AQP6 gene. The aquaporins (AQPs) are a family of water-transporting proteins that facilitate osmotically driven water movement across cell plasma membranes. Among the seven human aquaporins cloned to date (AQPs 0-6), genes encoding the four most closely related aquaporins (AQP0, AQP2, AQP5, and AQP6) have been mapped to chromosome band 12q13, suggesting an aquaporin family gene cluster at this locus. Unlike other aquaporins, AQP6 functions not as a water channel but as an anion-selective channel. Single-channel analyses have shown AQP6 to flicker rapidly between closed and open status. Synonyms: Aquaporin-6 | AQP-6 | Aquaporin-2-like | Kidney-specific aquaporin | hKID | AQP6 | AQP2L | Q13520
Gene ID:	363
UniProt:	Q13520

Application Details

Application Notes:	WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Mouse, Rat, Predicted Species: Human IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Human, Rat, Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections. Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested. Optimal dilutions should be determined by end users.
Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na2HPO4, 0.05 mg Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.