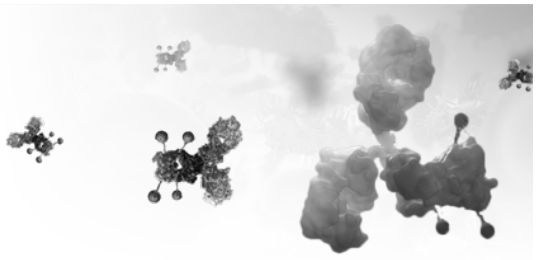

Anti-AQP3 (C-terminal) polyclonal antibody (CPBT-51074RH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Rabbit Polyclonal antibody to Human AQP3.
Antigen Description	This gene encodes the water channel protein aquaporin 3. Aquaporins are a family of small integral membrane proteins related to the major intrinsic protein, also known as aquaporin 0. Aquaporin 3 is localized at the basal lateral membranes of collecting duct cells in the kidney. In addition to its water channel function, aquaporin 3 has been found to facilitate the transport of nonionic small solutes such as urea and glycerol, but to a smaller degree. It has been suggested that water channels can be functionally heterogeneous and possess water and solute permeation mechanisms.
Specificity	Widely expressed in epithelial cells of kidney (collecting ducts) and airways, in keratinocytes, immature dendritic cells and erythrocytes. Isoform 2 is not detectable in erythrocytes at the protein level.
Immunogen	Synthetic peptide (Rat) conjugated to KLH (C terminal).
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Rat
Purification	Whole antiserum
Conjugate	Unconjugated
Applications	WB, ELISA, IHC-Fr
Sequence Similarities	Belongs to the MIP/aquaporin (TC 1.A.8) family.
Cellular Localization	Basolateral cell membrane. In collecting ducts of kidney.

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Format	Liquid
Size	25 µl
Buffer	Preservative: NoneConstituents: 40% Glycerol, Whole serum
Preservative	None
Storage	Shipped at 4℃. Upon delivery aliquot and store at -20℃. Avoid freeze / thaw cycles.

GENE INFORMATION

Gene Name	AQP3 aquaporin 3 (Gill blood group) [Homo sapiens]
Official Symbol	AQP3
Synonyms	AQP3; aquaporin 3 (Gill blood group); aquaporin-3; AQP 3; AQP-3; Aqp3; AQP3_HUMAN; Aquaglyceroporin-3; Aquaporin 3 (GIL blood group); Aquaporin 3 (Gill blood group); Aquaporin-3; Aquaporin3; GIL; Gill blood group; aquaglyceroporin-3; aquaporin 3 (GIL blood group); GIL; AQP-3;
Entrez Gene ID	360
Protein Refseq	NP_004916
UniProt ID	Q92482
Pathway	Aquaporin-mediated transport, organism-specific biosystem; Passive Transport by Aquaporins, organism-specific biosystem; Regulation of Water Balance by Renal Aquaporins, organism-specific biosystem; Stabilization and expansion of the E-cadherin adherens junction, organism-specific biosystem; Transmembrane transport of small molecules, organism-specific biosystem; Vasopressin-regulated water reabsorption, organism-specific biosystem; Vasopressin-regulated water reabsorption, conserved biosystem.
Function	glycerol channel activity; transporter activity; water channel activity; water channel activity;

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