



Anti-AQP2 polyclonal antibody (DPABH-26957)

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

PRODUCT INFORMATION

Antigen Description	Forms a water-specific channel that provides the plasma membranes of renal collecting duct with high permeability to water, thereby permitting water to move in the direction of an osmotic gradient.
Immunogen	Synthetic peptide conjugated to KLH derived from within residues 200 to the C-terminus of Human Aquaporin 2.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Mouse, Rat, Human
Purification	Immunogen affinity purified
Conjugate	Unconjugated
Applications	WB
Format	Liquid
Size	100 µg
Buffer	pH: 7.40; Constituent: PBS
Preservative	0.02% Sodium Azide
Storage	Store at 4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	AQP2 aquaporin 3 (collecting duct) [Homo sapiens]
Official Symbol	AQP2
Synonyms	AQP2; aquaporin 2 (collecting duct); AQP-CD; WCH-CD; aquaporin-2; AQP-2; aquaporin-CD; ADH water channel; water-channel aquaporin 2; collecting duct water channel protein; water channel protein for renal collecting duct;
Entrez Gene ID	359
Protein Refseq	NP_000477.1
UniProt ID	P41181
Pathway	Aquaporin-mediated transport; Regulation of water balance by renal Aquaporins; Vasopressin-regulated water reabsorption;
Function	PDZ domain binding; actin binding; glycerol transmembrane transporter activity; water channel activity