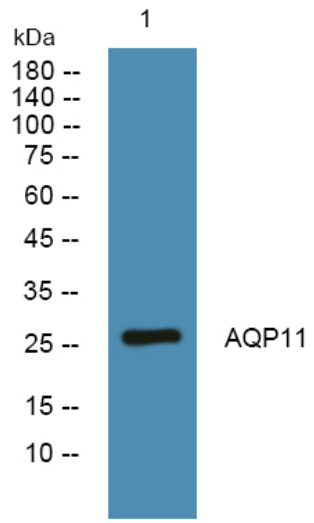
AQP11 Polyclonal Antibody

Catalog No	YP-Ab-16377
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB;ELISA
Gene Name	AQP11
Immunogen	Synthesized peptide derived from AQP11 . at AA range: 130-210
Specificity	AQP11 Polyclonal Antibody detects endogenous levels of AQP11 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Polyclonal, Rabbit,IgG
Purification	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	Western Blot: 1/500 - 1/2000. ELISA: 1/5000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AQP-11;Aqp11;AQP11_HUMAN;Aquaporin-11;AQPX1;PSEC0027
Observed Band	26kD
Calculated Molecular Weight	26kD
Cell Pathway	Cytoplasmic vesicle membrane ; Multi-pass membrane protein . Endoplasmic reticulum membrane ; Multi-pass membrane protein. Cell membrane; Multi-pass membrane protein . Cytoplasm . Cytoplasm, perinuclear region . Localizes mainly to the periphery of lipid droplets (PubMed:24845055). it accumulates partly in mitochondrial-associated endoplasmic reticulum membranes (PubMed:31546170). .
Tissue Specificity	Detected in the sperm head and tail (at protein level) (PubMed:28042826). Expressed in subcutaneous adipocytes (PubMed:24845055). Expressed in testis, kidney and ejaculated spermatozoa (PubMed:19812234).
Function	domain:Aquaporins contain two tandem repeats each containing three membrane-spanning domains and a pore-forming loop with the signature motif Asn-Pro-Ala (NPA).,function:Aquaporins facilitate the transport of water and small neutral solutes across cell membranes.,similarity:Belongs to the MIP/aquaporin (TC 1.A.8) family. AQP11/AQP12 subfamily.,tissue specificity:Expressed at low levels in roots and leaves.,

Background	domain:Aquaporins contain two tandem repeats each containing three membrane-spanning domains and a pore-forming loop with the signature motif Asn-Pro-Ala (NPA).,function:Aquaporins facilitate the transport of water and small neutral solutes across cell membranes.,similarity:Belongs to the MIP/ aquaporin (TC 1.A.8) family. AQP11/AQP12 subfamily.,tissue specificity:Expressed at low levels in roots and leaves.,
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot analysis of lysates from A431 cells, primary antibody was diluted at 1:1000, 4°over night