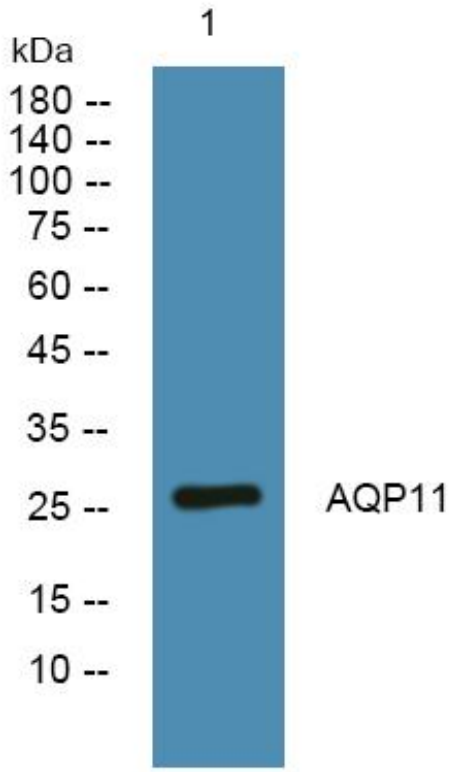
AQP11 Monoclonal Antibody

Catalog No	YP-mAb-16377
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	AQP11
Protein Name	Aquaporin-11
Immunogen	Synthesized peptide derived from AQP11 . at AA range: 130-210
Specificity	AQP11 Monoclonal Antibody detects endogenous levels of AQP11 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AQP11; AQPX1; PSEC0027; Aquaporin-11; AQP-11
Observed Band	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 various cells using AQP11 Monoclonal Antibody