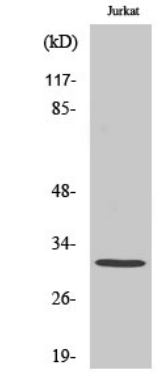
AQP12 Polyclonal Antibody

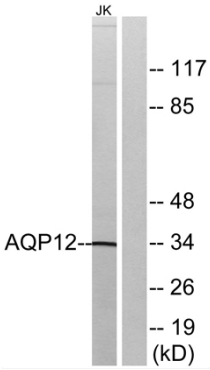
Catalog No	YP-Ab-16378
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;ELISA
Gene Name	AQP12A/AQP12B
Immunogen	The antiserum was produced against synthesized peptide derived from human AQP12. AA range:231-280
Specificity	AQP12 Polyclonal Antibody detects endogenous levels of AQP12 protein.
Formulation	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: 1/40000. Not yet tested in other applications.
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	AQ12A_HUMAN;AQP 12;AQP 12A;AQP-12;AQP12A;AQPX2;Aquaporin 12; Aquaporin 12A;Aquaporin X2;Aquaporin-12A;AQP12;AQP12A/AQP12B; Aquaporin-12A/B;AQP12B;Aquaporin-12B;AQP-12B
Observed Band	34kD
Calculated Molecular Weight	34kD
Cell Pathway	Membrane ; Multi-pass membrane protein .
Tissue Specificity	Restricted to the pancreas.
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:Restricted to the pancreas.,

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:Restricted to the pancreas.,
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.

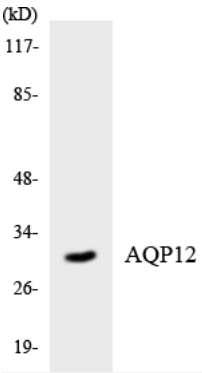
Products Images



Western Blot analysis of various cells using AQP12 Polyclonal Antibody diluted at 1:1000



Western blot analysis of lysates from Jurkat cells, using AQP12 Antibody. The lane on the right is blocked with the synthesized peptide.



Western blot analysis of the lysates from HUVECcells using AQP12 antibody.