



AQP5 Polyclonal Antibody

Catalog No	YP-Ab-16382
Isotype	IgG
Reactivity	Human;Rat;Mouse;
Applications	WB;IHC;IF;ELISA
Gene Name	AQP5
Immunogen	The antiserum was produced against synthesized peptide derived from human AQP5. AA range:194-243
Specificity	AQP5 Polyclonal Antibody detects endogenous levels of AQP5 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	WB: 1/500 - 1/2000. IHC: 1/100 - 1/300. ELISA: 1/40000.. IF 1:50-200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	aquaporin 5;Aquaporin-5;aquaporin5;AQP-5;AQP 5;AQP5
Observed Band	35kD
Calculated Molecular Weight	35kD
Cell Pathway	Apical cell membrane ; Multi-pass membrane protein . Cell membrane ; Multi-pass membrane protein . Cytoplasmic vesicle membrane ; Multi-pass membrane protein . Hypotonicity increases location at the cell membrane. Phosphorylation decreases location at the cell membrane. .
Tissue Specificity	Detected in skin eccrine sweat glands, at the apical cell membrane and at intercellular canaliculi (at protein level).
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:Forms a water-specific channel. Implicated in the generation of saliva, tears, and pulmonary secretions.,similarity:Belongs to the MIP/aquaporin (TC 1.A.8) family.,



Background

Aquaporin 5 (AQP5) is a water channel protein. Aquaporins are a family of small integral membrane proteins related to the major intrinsic protein (MIP or AQP0). Aquaporin 5 plays a role in the generation of saliva, tears and pulmonary secretions. AQP0, AQP2, AQP5, and AQP6 are closely related and all map to 12q13. [provided by RefSeq, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

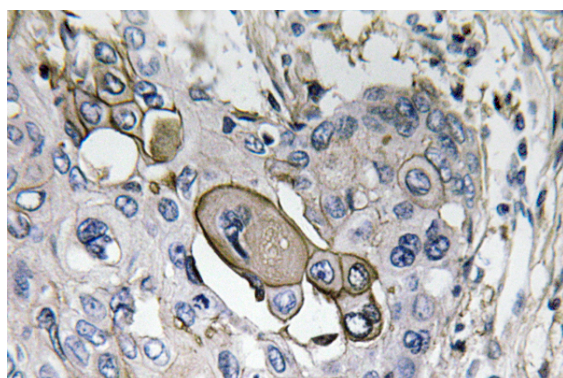
Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

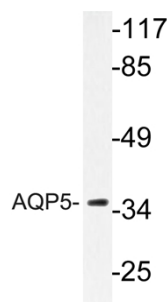
Products Images



Western Blot analysis of various cells using AQP5 Polyclonal Antibody



Immunohistochemistry analysis of AQP5 antibody in paraffin-embedded human lung carcinoma tissue.



Western blot analysis of lysate from HUVEC cells, using AQP5 antibody.