

Datasheet for ABIN673974
anti-AQP3 antibody (AA 201-292)

4 Images

1 Publication

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Overview

Quantity:	100 µL
Target:	AQP3
Binding Specificity:	AA 201-292
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This AQP3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from mouse AQP3
Isotype:	IgG
Cross-Reactivity:	Human, Mouse, Rat
Purification:	Purified by Protein A.

Target Details

Target:	AQP3
Alternative Name:	AQP3 (AQP3 Products)

Target Details

Background:	<p>Synonyms: AQP-2, Aquaporin-3, AQP-3, Aquaglyceroporin-3, Aqp3</p> <p>Background: Water channel required to promote glycerol permeability and water transport across cell membranes. Acts as a glycerol transporter in skin and plays an important role in regulating SC (stratum corneum) and epidermal glycerol content. Involved in skin hydration, wound healing, and tumorigenesis. Provides kidney medullary collecting duct with high permeability to water, thereby permitting water to move in the direction of an osmotic gradient. Slightly permeable to urea and may function as a water and urea exit mechanism in antidiuresis in collecting duct cells. It may play an important role in gastrointestinal tract water transport and in glycerol metabolism.</p>
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Gene ID:	11828
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UniProt:	Q8R2N1
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Application Details

Application Notes:	WB 1:300-5000
	ELISA 1:500-1000
	IHC-P 1:200-400
	IHC-F 1:100-500
	IF(IHC-P) 1:50-200
	IF(IHC-F) 1:50-200
	IF(ICC) 1:50-200

Restrictions:	For Research Use only
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Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.

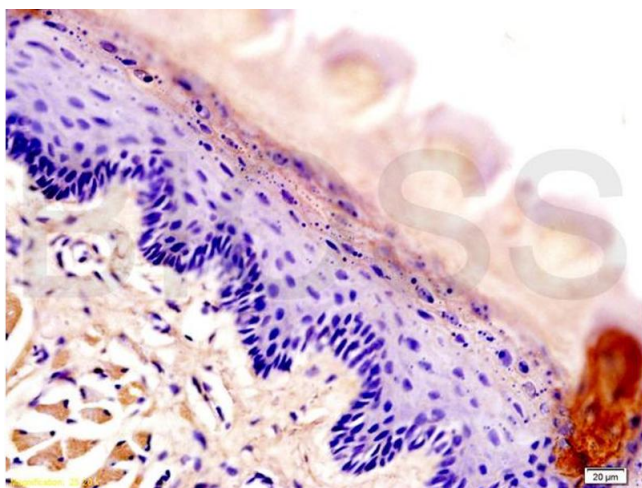
Handling

Expiry Date: 12 months

Publications

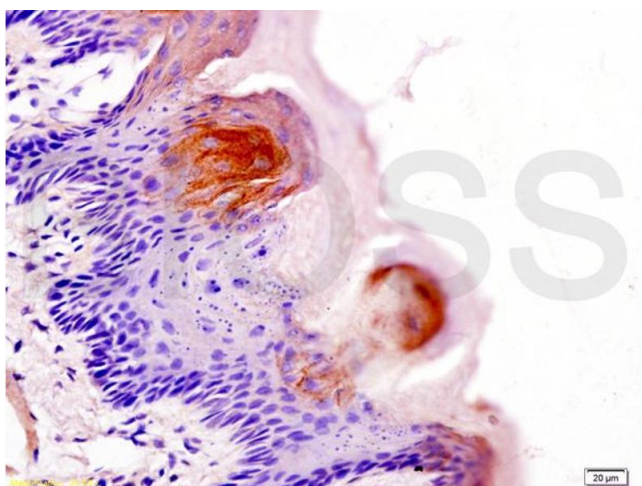
Product cited in: Zhang, Li, Liu, Guang, Yang, Mao, Zhu, Chen, Wang: "The AQP-3 water channel and the CIC-3 chloride channel coordinate the hypotonicity-induced swelling volume in nasopharyngeal carcinoma cells." in: **The international journal of biochemistry & cell biology**, Vol. 57, pp. 96-107, (2014) ([PubMed](#)).

Images



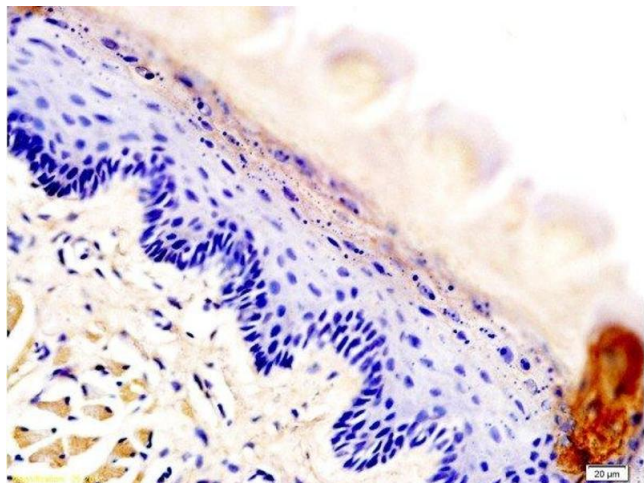
Immunohistochemistry

Image 1. Formalin-fixed and rat tongue tissue labeled with Anti-AQP-3 Polyclonal Antibody, Unconjugated (ABIN673974) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry

Image 2. Formalin-fixed and paraffin embedded rat tongue labeled with Anti-AQP-3 Polyclonal Antibody, Unconjugated (ABIN673974) at 1:200 followed by conjugation to the secondary antibody and DAB staining



Immunohistochemistry (Paraffin-embedded Sections)

Image 3. Formalin-fixed and rat tongue tissue labeled with Anti-AQP-3 Polyclonal Antibody, Unconjugated at 1:200 followed by conjugation to the secondary antibody and DAB staining

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN673974.