

Datasheet for ABIN7043855
anti-TRPV5 antibody (C-Term, Intracellular)



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3 Images

Overview

Quantity:	50 µL
Target:	TRPV5
Binding Specificity:	AA 715-729, C-Term, Intracellular
Reactivity:	Human, Rat, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This TRPV5 antibody is un-conjugated
Application:	Western Blotting (WB), Immunofluorescence (IF), Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Immunogen:	Immunogen: Synthetic peptide Immunogen Sequence: (C)GLNLSEGDGEEVYHF, corresponding to amino acid residues 715-729 of human TRPV5
Isotype:	IgG
Characteristics:	Anti-TRPV5 Antibody is directed against an epitope of human TRPV5. Anti-TRPV5 Antibody (ABIN7043855, ABIN7043996 and ABIN7043997)) can be used in western blot, immunocytochemistry and immunohistochemistry applications. It has been designed to recognize TRPV5 from human, mouse and rat samples.
Purification:	Affinity purified on immobilized antigen.

Target Details

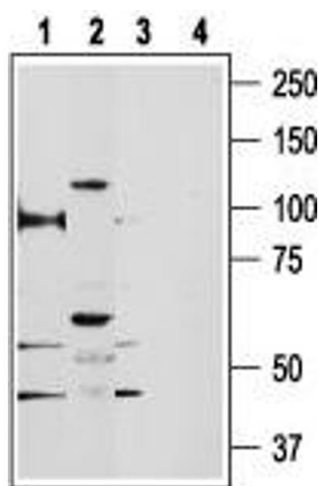
Target:	TRPV5
Alternative Name:	TRPV5 (TRPV5 Products)
Background:	Alternative names: TRPV5, Transient receptor potential cation channel subfamily V member 5, Calcium transport protein 2, CaT2, Epithelial calcium channel 1, ECaC1, OTRPC3
Gene ID:	56302
NCBI Accession:	NM_019841
UniProt:	Q8NDW5

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

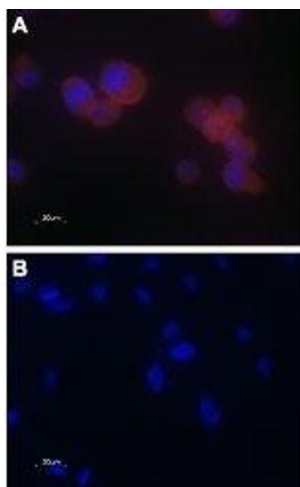
Handling

Format:	Lyophilized
Reconstitution:	50 µL or 0.2 mL double distilled water (DDW), depending on the sample size.
Concentration:	0.8 mg/mL
Buffer:	Reconstituted antibody contains phosphate buffered saline (PBS), pH 7.4, 1 % BSA, 0.05 % Sodium azide.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	RT,4 °C,-20 °C
Storage Comment:	<p>Storage before reconstitution: The antibody ships as a lyophilized powder at room temperature. Upon arrival, it should be stored at -20°C.</p> <p>Storage after reconstitution: The reconstituted solution can be stored at 4°C for up to 1 week. For longer periods, small aliquots should be stored at -20°C. Avoid multiple freezing and thawing. Centrifuge all antibody preparations before use (10000 x g 5 min).</p>



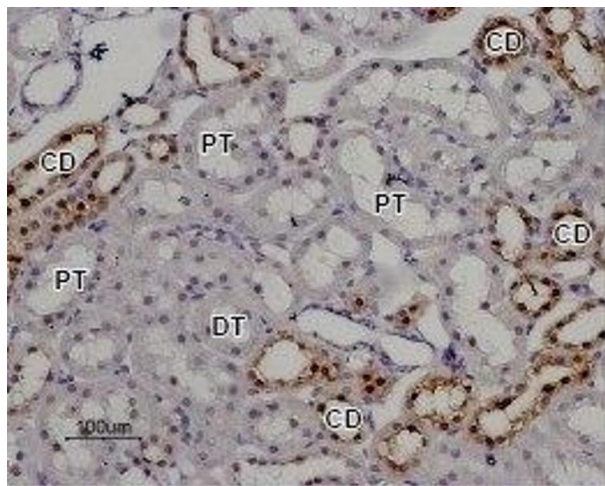
Western Blotting

Image 1. Western blot analysis of rat kidney (lanes 1 and 3) and human PC3 prostate cancer cell line (lanes 2 and 4) lysates: - 1,2. Anti-TRPV5 Antibody (ABIN7043855, ABIN7043996 and ABIN7043997), (1:200).3,4. Anti-TRPV5 Antibody, preincubated with TRPV5 Blocking Peptide (#BLP-CC035).



Immunocytochemistry

Image 2. Expression of TRPV5 in PC3 cells - Immunocytochemical staining of paraformaldehyde-fixed PC-3 cells with Anti-TRPV5 Antibody (ABIN7043855, ABIN7043996 and ABIN7043997), (1:100), followed by goat anti-rabbit-AlexaFluor-555 secondary antibody (A). B. Same as in (A) but pre-treated with TRPV5 peptide antigen (1:20). Hoechst 33342 is used as the counterstain (blue).



Immunohistochemistry

Image 3. Expression of TRPV5 in rat kidney - Immunohistochemical staining of rat kidney paraffin embedded section using Anti-TRPV5 Antibody (ABIN7043855, ABIN7043996 and ABIN7043997), (1:100). TRPV5 is expressed in collecting ducts (CD) in the renal cortex. Note that both proximal tubules (PT) and distal tubules (DT) are negative. Hematoxylin is used as the counterstain.