

Nur für Forschungszwecke

Piezo1 (extracellular domain) Polyklonaler Antikörper



Katalog-Nr.: 15939-1-AP

Vorgestelltes Produkt

95 Publikationen

Allgemeine Informationen

Katalog-Nr.: 15939-1-AP	GenBank-Zugangsnummer: BC008073	Reinigungsmethode: Antigen-Affinitätsreinigung
Größe: 150ul, Konzentration: 500 µg/ml von Nanodrop;	GeneID (NCBI): 9780	Empfohlene Verdünnungen: WB 1:200-1:1000 IHC 1:50-1:500 IF 1:50-1:500
Wirt: Kaninchen	Vollständiger Name: family with sequence similarity 38, member A	
Isotyp: IgG	Berechnete Masse: 286 kDa	
Immunogen Katalognummer: AG7791	Beobachtete Masse: 233-286 kDa	

Anwendungen

Geprüfte Anwendungen:

FC, IF, IHC, WB, ELISA

In Publikationen genannte Anwendungen:

CoIP, FC, IF, IHC, WB

Getestete Reaktivität:

Human, Maus

Zitierte Arten:

Hausschwein, Human, Hund, Maus, Ratte, Zebrafisch

Hinweis-IHC: Antigenmaskierung mit TE-Puffer pH 9,0 empfohlen. (*) Wahlweise kann die Antigenmaskierung auch mit Citratpuffer pH 6,0 erfolgen.

Positivkontrollen:

WB: HeLa-Zellen, hTERT-RPE1-Zellen, SGC-7901-Zellen

IHC: humanes Hautgewebe, humanes Hautkrebsgewebe

IF: HUVEC-Zellen,

Hintergrundinformationen

Mechanotransduction, the conversion of mechanical force into biological signals, is a fundamental physiologic process of mammalian cells that influences many critical processes including embryonic development, tactile, pain, and auditory sensation, regulation of vascular tone, flow sensing in the kidney, and muscle and tendon stretch. FAM38A, also known as Piezo1, has recently been identified as a mechanotransduction protein that gets involved in mechanosensation and stretch-activated cation channel activation. Piezo1 also plays a key role in epithelial cell adhesion by maintaining integrin activation through R-Ras recruitment to the ER. Mutations in the gene encoding Piezo1 are associated with hereditary xerocytosis. Piezo1 also regulates extrusion to maintain homeostatic epithelial cell numbers. This antibody was raised against the extracellular domain of human Piezo1. (PMID: 20016066, 28416610)

Bemerkenswerte Veröffentlichungen

Verfasser	Pubmed ID	Journal	Anwendung
Yang Zhang	34548087	Respir Res	WB,IF
Young-June Jin	34499618	J Clin Invest	WB
Julián Albarrán-Juárez	30194266	J Exp Med	WB

Lagerung

Lagerungsbedingungen:

Bei -20°C lagern. Nach dem Versand ein Jahr lang stabil

Lagerungspuffer:

PBS mit 0.02% Natriumazid und 50% Glycerin pH 7.3.

Aliquotieren ist nicht notwendig bei -20°C Lagerung

*** 20ul-Größen enthalten 0.1% BSA

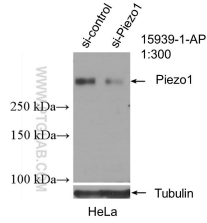
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

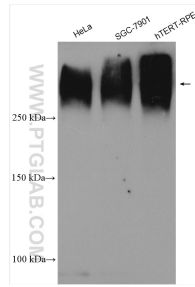
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

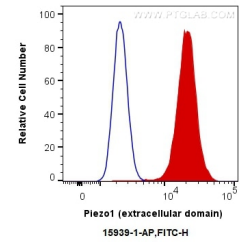
Ausgewählte Validierungsdaten



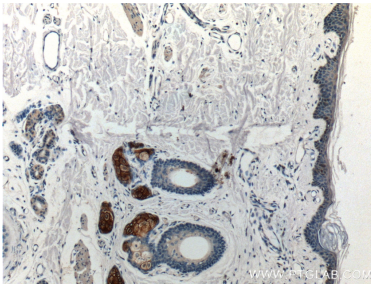
WB result of Piezo1 antibody (15939-1-AP; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-Piezo1 transfected HeLa cells.



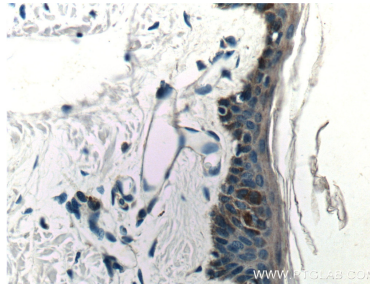
Various lysates were subjected to SDS PAGE followed by western blot with 15939-1-AP (Piezo1 (extracellular domain) antibody) at dilution of 1:500 and incubated at room temperature for 1.5 hours.



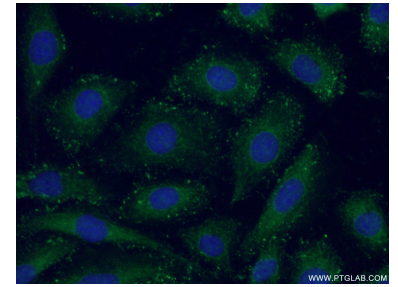
1×10^6 RAW 264.7 cells were intracellularly stained with 0.4 μ g Anti-Human Piezo1 (extracellular domain) (15939-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 μ g Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).



Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 15939-1-AP (Piezo1) antibody at dilution of 1:200 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human skin tissue slide using 15939-1-AP (Piezo1) antibody at dilution of 1:200 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HUVEC cells using 15939-1-AP (Piezo1) antibody at dilution of 1:50 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).