

À des fins de recherche uniquement

Anticorps Polyclonal de lapin anti-Piezo1 (extracellular domain)



Numéro de catalogue: 15939-1-AP

Phare

103 Publications

Informations de base

Numéro de catalogue:

15939-1-AP

Taille:

150ul, Concentration: 500 µg/ml by Nanodrop;

Hôte:

Lapin

Isotype:

IgG

Immunogen Catalog Number:

AG7791

Numéro d'acquisition GenBank:

BC008073

Identification du gène (NCBI):

9780

Nom complet:

family with sequence similarity 38, member A

MW calculé

286 kDa

MW observés:

233-286 kDa

Méthode de purification:

Purification par affinité contre l'antigène

Dilutions recommandées:

WB 1:200-1:1000

IHC 1:50-1:500

IF 1:50-1:500

Applications

Applications testées:

FC, IF, IHC, WB, ELISA

Demandes citées:

CoIP, FC, IF, IHC, WB

Spécificité de l'espèce:

Humain, souris

Espèces citées:

canin, Humain, poisson-zèbre, porc, rat, souris

Remarque-IHC: il est suggéré de démasquer l'antigène avec un tampon de TE buffer pH 9,0; (*) À défaut, le démasquage de l'antigène peut être effectué avec un tampon citrate pH 6,0.

Contrôles positifs:

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

IHC : tissu cutané humain, tissu de cancer de la peau humain

IF : cellules HUVEC,

Informations générales

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)

Publications notables

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

Stockage

Stockage:

Stocker à -20°C. Stable pendant un an après l'expédition.

Tampon de stockage:

PBS avec azoture de sodium à 0,02 % et glycérol à 50 % pH 7,3

L'aliquotage n'est pas nécessaire pour le stockage à -20C

*** Les 20ul contiennent 0,1% de BSA.

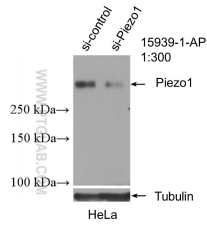
For technical support and original validation data for this product please contact:

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

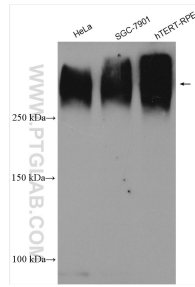
E: proteintech@ptglab.com
W: ptglab.com

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

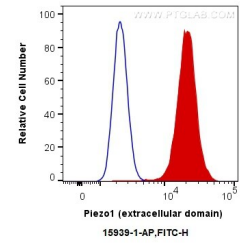
Données de validation sélectionnées



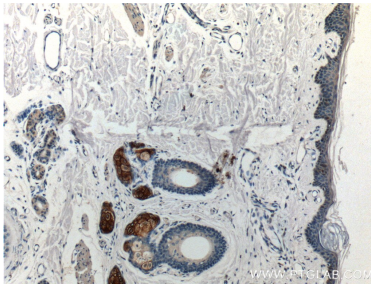
WB result of Piezo1 antibody (15939-1-AP; 1:300; incubated at room temperature for 1.5 hours) with sh-Control and sh-Piezo1 transfected HeLa cells.



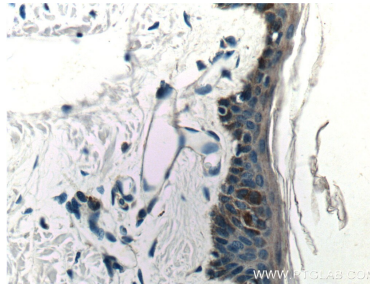
Various lysates were subjected to SDS PAGE followed by western blot with 15939-1-AP (Piezo1 (extracellular domain) antibody) at dilution of 1:500 and incubated at room temperature for 1.5 hours.



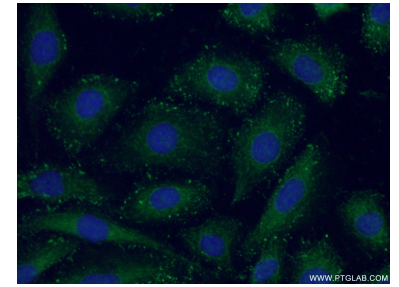
1X10⁶ RAW 264.7 cells were intracellularly stained with 0.4 ug Anti-Human Piezo1 (extracellular domain) (15939-1-AP) and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L) at dilution 1:1000 (red), or 0.4 ug Control Antibody. Cells were fixed with 4% PFA and permeabilized with Flow Cytometry 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).