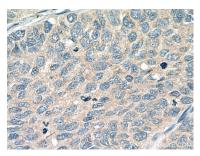
Piezo1 (extrace antibody	llular doma [:]	in) Poly	clonal	Antibodies ELISA kits Proteins www.ptglab.com	
Catalog Number:28511-1-AF	Featured Product	13 Publications			
Basic Information	Catalog Number: 28511-1-AP	GenBank Accession BC008073	n Number:	Purification Method: Antigen affinity purification	
	Concentration: 650 ug/ml Source: Rabbit	GeneID (NCBI): 9780 UNIPROT ID: Q92508		Recommended Dilutions: WB 1:500-1:2000 IHC 1:50-1:500 IF/ICC 1:50-1:500	
	Isotype: IgG Immunogen Catalog Number: AG29858	Full Name: family with sequer member A Calculated MW:	family with sequence similarity 38, member A		
		Observed MW:			
Applications	Tested Applications: WB, IHC, IF/ICC, ELISA Cited Applications: WB, IHC, IF, IP, CoIP		Positive Controls: WB : HeLa cells, Hepa1-6 cells, HepG2 cells, hTERT- RPE1 cells, WB result of Piezo1 (extracellular domain) antibody (28511-1-AP; 1:600; room temperature for 1.5		
	Species Specificity: hours) with wild-type and Piezo1 (extracellular human domain) knockout Hepa 1-6 cells.			vild-type and Piezo1 (extracellular	
				lung cancer tissue,	
	Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0				
Background Information	process of mammalian cells whic pain, and auditory sensation, regu FAM38A, also known as PIEZO 1, h in mechanosensation and stretch- cell adhesion by maintaining inte	h influences many critic ulation of vascular tone, nas recently been identi -activated cation channe egrin activation through ditary xerocytosis. Piezo	cal processes inclu flow sensing in the fied as a mechano el activation. Fam R-Ras recruitmen 1 also regulates e	ignals, is a fundamental physiologic uding embryonic development, tactile, he kidney, and muscle and tendon stretch otransduction protein that gets involved 138A also plays a key role in epithelial t to the ER. Mutations in gene encoding extrusion to maintain homeostatic r domain of human Piezo1.	
Notable Publications	Ander	Dubus d ID 1-		A	
	Author Jin Hu		urnal uron	Application WB,IF	
	Xiaoduo Zhao		l Insight	WB	
	Yue Wan	36598105 Gli	ia	WB,IF	
Storage	Storage: Store at -20°C. Stable for one year Storage Buffer: PBS with 0.02% sodium azide and Aliquoting is unnecessary for -20	d 50% glycerol pH 7.3.			

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

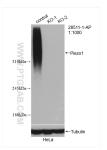
Selected Validation Data



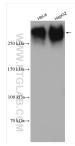
Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 28511-1-AP (PIEZO1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



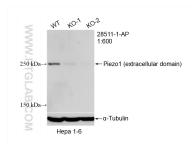
Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 28511-1-AP (PIEZO 1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

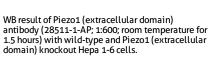


WB result of Piezo1 (extracellular domain) antibody (28511-1-AP; 1:1000; room temperature for 1.5 hours) with wild-type and Piezo1 (extracellular domain) knockout HeLa cells.



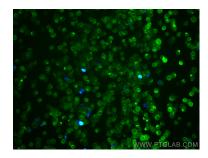
Various lysates were subjected to SDS PAGE followed by western blot with 28511-1-AP (Piezo1 (extracellular domain) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.





250 KDa+

Various lysates were subjected to SDS PAGE followed by western blot with 28511-1-AP (Piezo1 (extracellular domain) antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of THP-1 cells using Piezo1 (extracellular domain) antibody (28511-1-AP) at dilution of 1:200 and CoraLite®488-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).