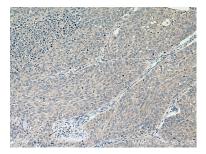
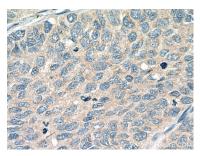
| Piezo1 (extrace antibody | llular doma [:] | in) Poly | clonal | Antibodies ELISA kits Proteins www.ptglab.com | |
|---------------------------|--|--|--|--|--|
| Catalog Number:28511-1-AF | Featured Product | 13 Publications | | | |
| Basic Information | Catalog Number: 28511-1-AP | GenBank Accession 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.

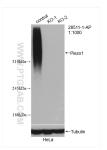
Selected Validation Data



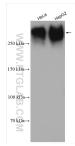
Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 28511-1-AP (PIEZO1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



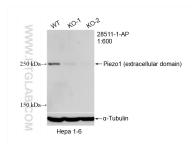
Immunohistochemical analysis of paraffinembedded human lung cancer tissue slide using 28511-1-AP (PIEZO 1 antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

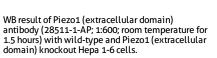


WB result of Piezo1 (extracellular domain) antibody (28511-1-AP; 1:1000; room temperature for 1.5 hours) with wild-type and Piezo1 (extracellular domain) knockout HeLa cells.



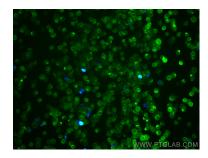
Various lysates were subjected to SDS PAGE followed by western blot with 28511-1-AP (Piezo1 (extracellular domain) antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.





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).