

Product Datasheet

Polycystin-1/PKD1 Antibody (PKS161f/B7) - BSA Free NBP2-50247

Unit Size: 0.1 ml

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP2-50247

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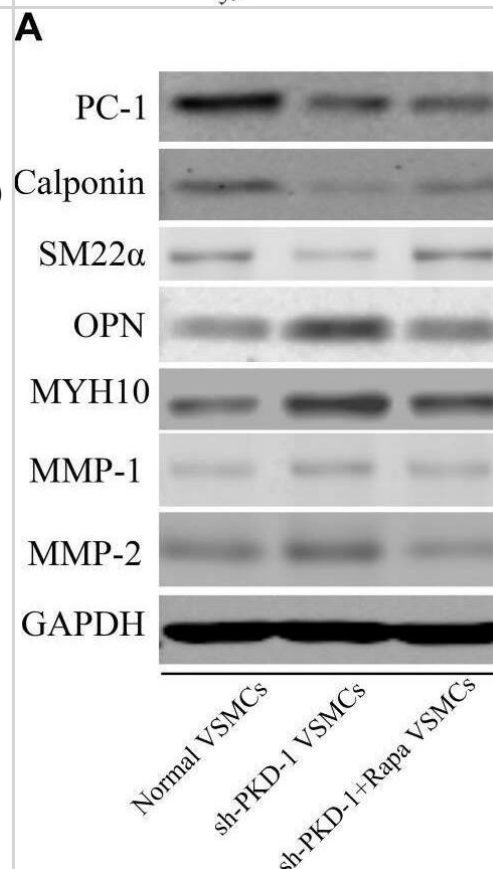
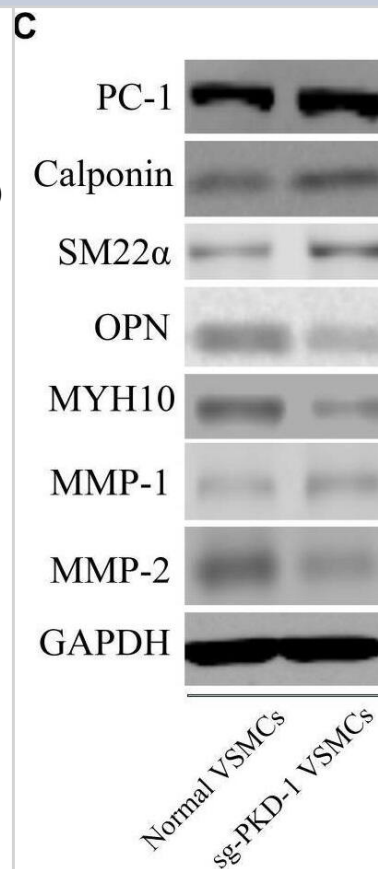
Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	PKS161f/B7
Preservative	0.02% Sodium Azide
Isotype	IgG1 Kappa
Purity	Protein A purified
Buffer	PBS
Product Description	
Host	Mouse
Gene ID	5310
Gene Symbol	PKD1
Species	Human
Immunogen	Recombinant protein (233 aa)
Product Application Details	
Applications	Western Blot, Immunohistochemistry
Recommended Dilutions	Western Blot 1:100 - 1:2000, Immunohistochemistry 1:10 - 1:500



Images

The effects of downregulation and overexpression of PKD-1 on the phenotypes of aortic VSMCs (n = 6 for each group). (A) PKD-1 knockdown inhibited the expression of (A,B1) PC-1 ($p < 0.0001$, $p < 0.0001$), (A,B2) calponin ($p = 0.0001$, $p = 0.0008$) and (A,B3) SM22 α ($p = 0.0053$, $p = 0.0194$) as well as elevated the expression of (A,B4) OPN ($p < 0.0001$, $p = 0.0037$), (A,B5) MYH10 ($p < 0.0001$, $p = 0.0001$), (A,B7) MMP-2 ($p < 0.0001$, $p = 0.0003$) Rapamycin didn't affect the expression of (A,B1) PC-1 ($p < 0.0001$, $p < 0.0001$) in sh-PKD-1 VSMCs but elevated the expression of (A,B2) calponin ($p = 0.0026$, $p = 0.0038$) and (A,B3) SM22 α ($p = 0.0352$, $p = 0.034$) and downregulated the expression of (A,B4) OPN ($p = 0.0009$, $p = 0.0101$), (A,B5) MYH10 ($p = 0.0002$, $p = 0.0105$), (A,B7) MMP2 ($p < 0.0001$, $p = 0.0031$). (A,B6) Showed the protein expression of MMP-1 among three groups. Treatment of sg-PKD-1 enhanced the expression of (C,D1) PC-1 ($p < 0.0001$, $p < 0.0001$), (C,D2) calponin ($p = 0.0054$, $p = 0.0004$) and (C,D3) SM22 α ($p = 0.0005$, $p = 0.0003$), but inhibited the expression of (C,D4) OPN ($p = 0.0125$, $p = 0.0002$), (C,D5) MYH10 ($p = 0.0078$, $p = 0.0002$), (C,D7) MMP2 ($p < 0.0001$, $p = 0.0009$). (C,D6) Showed the protein expression of MMP-1 between normal and sg-PKD-1 VSMCs. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$, **** $p < 0.0001$ (compared with normal VSMCs); ## $p < 0.01$, ### $p < 0.001$ (compared with TAD VSMCs). #Means the comparison between sh-PKD1 and sh-PKD1 + Rapa VSMCs. $p < 0.05$. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/33071810>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.

The effects of downregulation and overexpression of PKD-1 on the phenotypes of aortic VSMCs (n = 6 for each group). (A) PKD-1 knockdown inhibited the expression of (A,B1) PC-1 ($p < 0.0001$, $p < 0.0001$), (A,B2) calponin ($p = 0.0001$, $p = 0.0008$) and (A,B3) SM22 α ($p = 0.0053$, $p = 0.0194$) as well as elevated the expression of (A,B4) OPN ($p < 0.0001$, $p = 0.0037$), (A,B5) MYH10 ($p < 0.0001$, $p = 0.0001$), (A,B7) MMP-2 ($p < 0.0001$, $p = 0.0003$) Rapamycin didn't affect the expression of (A,B1) PC-1 ($p < 0.0001$, $p < 0.0001$) in sh-PKD-1 VSMCs but elevated the expression of (A,B2) calponin ($p = 0.0026$, $p = 0.0038$) and (A,B3) SM22 α ($p = 0.0352$, $p = 0.034$) and downregulated the expression of (A,B4) OPN ($p = 0.0009$, $p = 0.0101$), (A,B5) MYH10 ($p = 0.0002$, $p = 0.0105$), (A,B7) MMP2 ($p < 0.0001$, $p = 0.0031$). (A,B6) Showed the protein expression of MMP-1 among three groups. Treatment of sg-PKD-1 enhanced the expression of (C,D1) PC-1 ($p < 0.0001$, $p < 0.0001$), (C,D2) calponin ($p = 0.0054$, $p = 0.0004$) and (C,D3) SM22 α ($p = 0.0005$, $p = 0.0003$), but inhibited the expression of (C,D4) OPN ($p = 0.0125$, $p = 0.0002$), (C,D5) MYH10 ($p = 0.0078$, $p = 0.0002$), (C,D7) MMP2 ($p < 0.0001$, $p = 0.0009$). (C,D6) Showed the protein expression of MMP-1 between normal and sg-PKD-1 VSMCs. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$, **** $p < 0.0001$ (compared with normal VSMCs); ## $p < 0.01$, ### $p < 0.001$ (compared with TAD VSMCs). #Means the comparison between sh-PKD1 and sh-PKD1 + Rapa VSMCs. $p < 0.05$. Image collected and cropped by CiteAb from the following open publication (<https://pubmed.ncbi.nlm.nih.gov/33071810>), licensed under a CC-BY license. Not internally tested by Novus Biologicals.



Publications

Zhang J, Liu F, He YB et Al. Polycystin-1 Downregulation Induced Vascular Smooth Muscle Cells Phenotypic Alteration and Extracellular Matrix Remodeling in Thoracic Aortic Dissection Front Physiol 2020-04-29 [PMID: 33071810]





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NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)
DY393	CXCL7/NAP-2 [Biotin]

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