

PDGF-D Polyclonal Antibody

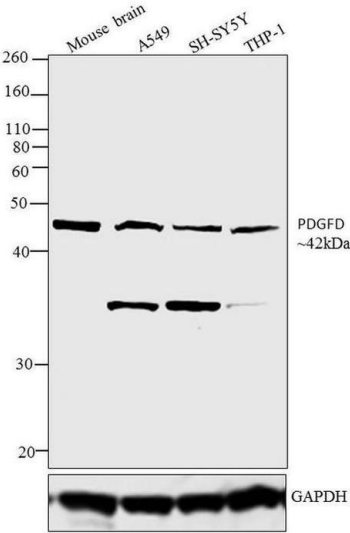
Product Details	
Size	100 µg
Species Reactivity	Human, Mouse, Rat
Published Species	Rat, Mouse, Human
Host/Isotype	Rabbit / IgG
Class	Polyclonal
Type	Antibody
Conjugate	Unconjugated
Immunogen	Synthetic peptide derived from the C-terminal region of the human PDGF-D
Form	Liquid
Concentration	0.25 mg/mL
Purification	Antigen affinity chromatography
Storage buffer	PBS, pH 7.4
Contains	0.1% sodium azide
Storage conditions	-20°C
RRID	AB_2533455

Applications	Tested Dilution	Publications
Western Blot (WB)	Assay-dependent	3 Publications
Immunohistochemistry (IHC)	-	5 Publications
Immunohistochemistry (Paraffin) (IHC (P))	1:50	1 Publication

Product Images For PDGF-D Polyclonal Antibody

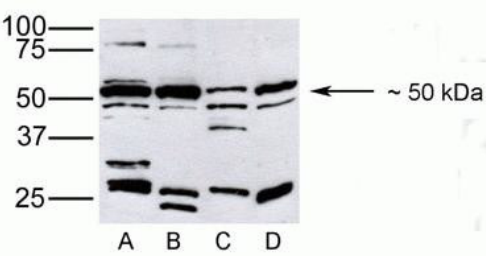
PDGF-D Antibody (40-2100) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of Mouse Brain (Lane 1), A549 (Lane 2), SH-SY5Y (Lane 3) and THP-1 (Lane 4). The blots were probed with Anti-PDGFD Rabbit Polyclonal Antibody (Product # 40-2100, 1-3 µg/mL) and detected by chemiluminescence Goat Anti-Rabbit IgG Secondary Antibody, HRP conjugate (Product # G-21234, 1:5000 dilution). A 42 kDa band corresponding to PDGFD was observed across cell lines and tissues tested. An extra band at ~ 35 kDa was observed in cell lines alone. Known quantity of protein samples were electrophoresed using Novex® NuPAGE®12 % Bis-Tris gel (Product # NP0342BOX), XCell SureLock™ Electrophoresis System (Product # EI0002) and Novex® Sharp Pre-Stained Protein Standard (Product # LC5800). Resolved proteins were then transferred onto a nitrocellulose membrane by iBlot® 2 Dry Blotting System (Product # IB21001). The membrane was probed with the relevant primary and secondary Antibody following blocking with 5 % skimmed milk. Chemiluminescent detection was performed using Pierce™ ECL Western Blotting Substrate (Product # 32106).



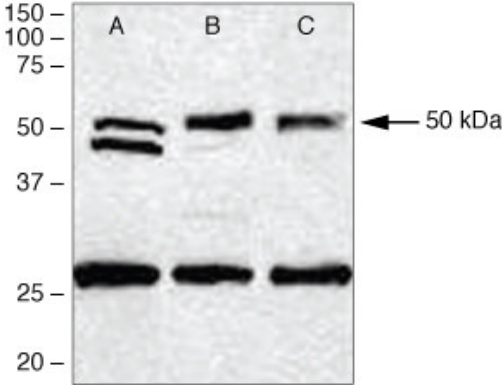
PDGF-D Antibody (40-2100) in WB

Western Blot analysis of (A) NTERA-2 cell lysates, (B) mouse testis homogenates, (C) SK-OV-3 cell lysates, and (D) fetal mouse brain homogenates using Zymed Rb anti-PDGF-D (Product # 40-2100).



PDGF-D Antibody (40-2100) in WB

Western blot analysis of (A) U251 and (B) A172 cell lysates, and (C) rat ovary homogenates using Rb anti-PDGF-D (Product # 40-2100).



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Western Blot (3)

<p>The Journal of experimental medicine</p> <p>PDGF-D activation by macrophage-derived uPA promotes AngII-induced cardiac remodeling in obese mice.</p> <p>"40-2100 was used in Immunohistochemistry to provide for the first time a new interaction pattern between macrophage and adipocyte: that macrophage-derived uPA activates adipocyte-secreted PDGF-D, which finally accelerates AngII-induced cardiac remodeling in obese mice."</p> <p>Authors: Cheng YW,Zhang ZB,Lan BD,Lin JR,Chen XH,Kong LR,Xu L,Ruan CC,Gao PJ</p>	<p>Year 2021</p> <p>Species Mouse</p>
<p>The Journal of clinical investigation</p> <p>Cytomegalovirus promotes murine glioblastoma growth via pericyte recruitment and angiogenesis.</p> <p>"Published figure using PDGF-D polyclonal antibody (Product # 40-2100) in Western Blot"</p> <p>Authors: Krenzlin H,Behera P,Lorenz V,Passaro C,Zdioruk M,Nowicki MO,Grauwet K,Zhang H,Skubal M,Ito H,Zane R,Gutknecht M,Griessl MB,Ricklefs F,Ding L,Peled S,Rooj A,James CD,Cobbs CS,Cook CH,Chiocca EA,Lawler SE</p>	<p>Year 2019</p>

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Immunohistochemistry (5)

<p>Journal of neuroinflammation</p> <p>SU16f inhibits fibrotic scar formation and facilitates axon regeneration and locomotor function recovery after spinal cord injury by blocking the PDGFR pathway.</p> <p>"Published figure using PDGF-D polyclonal antibody (Product # 40-2100) in Immunohistochemistry"</p> <p>Authors: Li Z,Yu S,Liu Y,Hu X,Li Y,Xiao Z,Chen Y,Tian D,Xu X,Cheng L,Zheng M,Jing J</p>	<p>Year 2022</p>
<p>The Journal of experimental medicine</p> <p>PDGF-D activation by macrophage-derived uPA promotes AngII-induced cardiac remodeling in obese mice.</p> <p>"40-2100 was used in Immunohistochemistry to provide for the first time a new interaction pattern between macrophage and adipocyte: that macrophage-derived uPA activates adipocyte-secreted PDGF-D, which finally accelerates AngII-induced cardiac remodeling in obese mice."</p> <p>Authors: Cheng YW,Zhang ZB,Lan BD,Lin JR,Chen XH,Kong LR,Xu L,Ruan CC,Gao PJ</p>	<p>Year 2021</p> <p>Species Mouse</p>

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IHC (P) (1)

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