For Research Use Only

EMT Essentials Antibody Kit

Catalog Number: PK30014

www.ptgcn.com

产品介绍

EMT Essentials Antibody Kit为研究上皮-间充质转化(EMT)过程中的关键细胞标记物、转录因子和ECM降解物提供了一种经济有效的工具。对于开始新项目的研究人员、筛选多个潜在目标的研究人员或那些仅仅需要较少体积抗体的研究人员来说是非常适合的。

产品成分

EMT Essentials Antibody Kit包含在上皮-间充质转化过程中起关键作用的5个关键蛋白靶点的抗体。

Antigen	Catalog No.	Host, clonality	Tested Reactivity	Applications	Volume
E-cadherin	60335-1-Ig	Mouse monoclonal	H, R, Pg	WB, IHC, IF, FC, ELISA	20 uL
N-cadherin	66219-1-Ig	Mouse monoclonal	H, M, R, Pg, Rb	WB, IHC, IF, ELISA	20 uL
Vimentin	80232-1-RR	Rabbit monoclonal	H, M, R	WB, IHC, IF, ELISA	20 uL
SNAI1	13099-1-AP	Rabbit polyclonal	H, M, R	WB, IHC, IP, ELISA	20 uL
MMP-2	66366-1-Ig	Mouse monoclonal	H, M, R, Pg	WB, IHC, ELISA	20 uL

如果此试剂盒中的抗体不满足您的需求，请参考我们的“EMT Expanded Antibody Kit”。

保存条件

-20℃保存。自收到之日起一年内保持稳定。

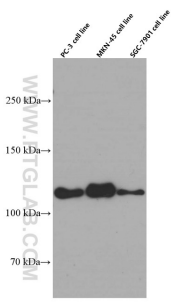
背景介绍

上皮-间充质转化（epithelial to mesenchymal transition, EMT）是上皮细胞向间充质细胞转化，使其具有迁移和侵袭特性的过程。虽然EMT是胚胎发育和组织再生的正常特征，但它经常被上调，并成为包括结直肠癌、乳腺癌、胃癌和黑色素瘤等在内的几种癌症转移的关键驱动因素。EMT过程本身通常涉及上皮细胞标志物（如E-cadherin等）的表达下调和间充质细胞标志物(如fibronectin、N-cadherin和Vimentin等）的表达上调。它还需要EMT相关转录因子的调节（如Snail、Slug和Twist等），这有助于驱动向间充质表型的转变。基质金属蛋白酶(MMPs)还能降解周围的细胞外基质，使转化的细胞能够集体迁移。通过免疫印迹和免疫组织化学，EMT过程通常在癌细胞和组织中得到证实。

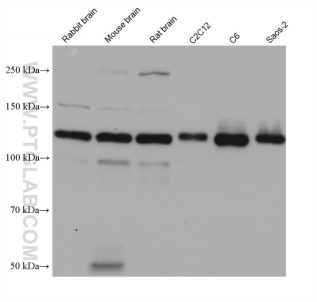
标准实验流程

点击此处查看我们用于各种应用的标准流程，包括WB、IP、IHC、IF、FC和ELISA。

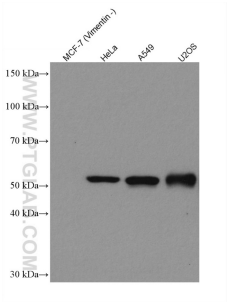
Validation Data



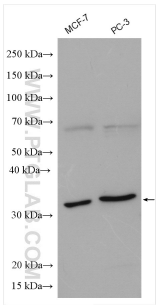
PC-3, MKN-45, SGC-7901 cells were subjected to SDS PAGE followed by western blot with 60335-1-Ig (E-cadherin Antibody) at dilution of 1:4000 incubated at room temperature for 1.5 hours.



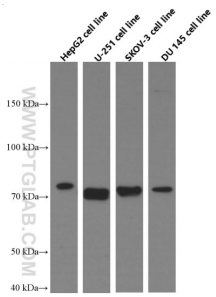
Various lysates were subjected to SDS PAGE followed by western blot with 66219-1-Ig (N-cadherin antibody) at dilution of 1:20000 incubated at room temperature for 1.5 hours.



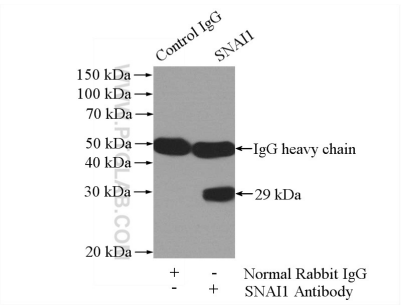
Various lysates were subjected to SDS PAGE followed by western blot with 80232-1-RR (Vimentin antibody) at dilution of 1:50000 incubated at room temperature for 1.5 hours.



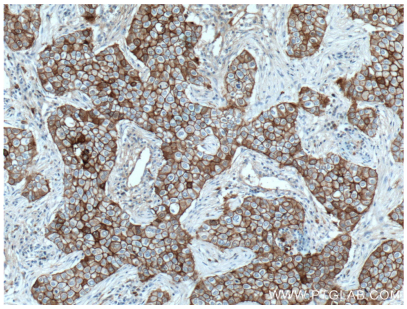
Various lysates were subjected to SDS PAGE followed by western blot with 13099-1-AP (SNAI1 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



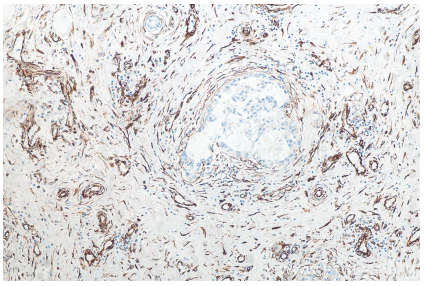
Western blot analysis of MMP2 in various cell lines using Proteintech antibody 66366-1-Ig (MMP2 Antibody) at dilution of 1:3000 incubated at room temperature for 1.5 hours.



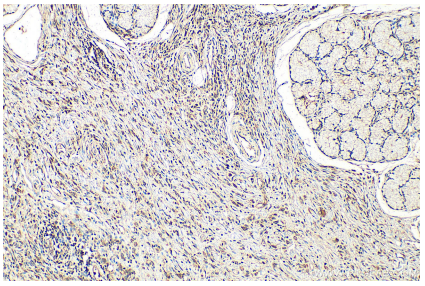
IP Result of anti-SNAI1 (IP:13099-1-AP, 4ug; Detection:13099-1-AP 1:600) with MCF-7 cells lysate 1040ug.



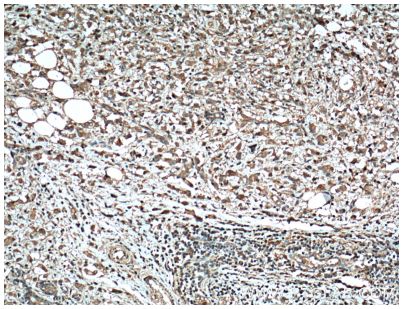
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 60335-1-Ig (E-cadherin antibody) at dilution of 1:2000 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



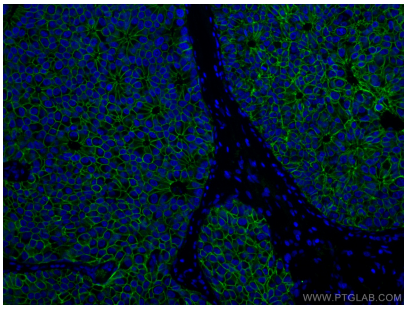
Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 80232-1-RR (Vimentin antibody) at dilution of 1:2500 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



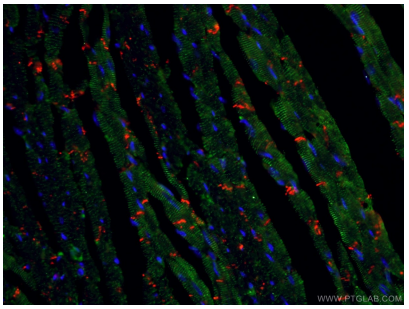
Immunohistochemical analysis of paraffin-embedded human stomach cancer tissue slide using 13099-1-AP (SNAI1 antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human breast cancer tissue slide using 66366-1-Ig (MMP2 antibody) at dilution of 1:300 (under 10x lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using E-cadherin antibody (60335-1-Ig, Clone: 6B11F11) at dilution of 1:400 and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



Immunofluorescent analysis of (4% PFA) fixed mouse heart tissue using 66219-1-Ig (N-cadherin antibody) at dilution of 1:100 and CoraLite594-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L). The section was co-stained with 11313-2-AP (alpha Actinin) in green.

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

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