

产品名称: TNFSF11 Mouse Monoclonal Antibody
产品货号: AMM81937



产品概述 (Summary)

产品名称 (Production Name)	TNFSF11 Mouse Monoclonal Antibody
描述 (Description)	Mouse monoclonal Antibody
宿主 (Host)	Mouse
应用 (Application)	WB,IHC,ICC,ELISA,FC
种属反应性 (Reactivity)	Human,Mouse,Rat,Monkey,Rabbit

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Unmodified
同种型 (Isotype)	Mouse IgG1
克隆 (Clonality)	Monoclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Purified antibody in PBS with 0.05% sodium azide
纯化方式 (Purification)	Affinity Purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	TNFSF11
别名 (Alternative Names)	CD254; ODF; OPGL; sOdf; OPTB2; RANKL; TNLG6B; TRANCE; hRANKL2
基因 ID (Gene ID)	8600.0
蛋白 ID (SwissProt ID)	O14788 .Purified recombinant fragment of human TNFSF11 (AA: 74-308) expressed in E. Coli.

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:500,ICC 1:50-1:500,ELISA 1:5000-1:20000,FC 1:200-1:400
蛋白分子量 (Molecular Weight)	35.5kDa

研究背景 (Background)

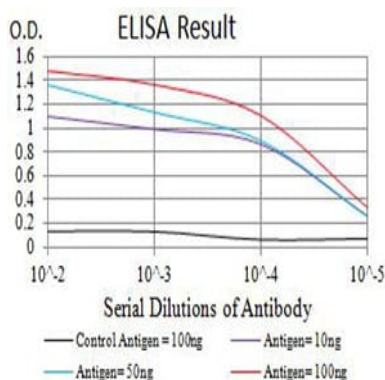
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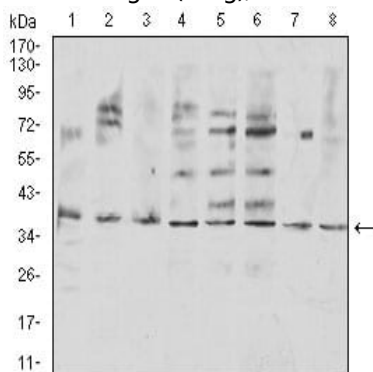
This gene encodes a member of the tumor necrosis factor (TNF) cytokine family which is a ligand for osteoprotegerin and functions as a key factor for osteoclast differentiation and activation. This protein was shown to be a dendritic cell survival factor and is involved in the regulation of T cell-dependent immune response. T cell activation was reported to induce expression of this gene and lead to an increase of osteoclastogenesis and bone loss. This protein was shown to activate antiapoptotic kinase AKT/PKB through a signaling complex involving SRC kinase and tumor necrosis factor receptor-associated factor (TRAF) 6, which indicated this protein may have a role in the regulation of cell apoptosis. Targeted disruption of the related gene in mice led to severe osteopetrosis and a lack of osteoclasts. The deficient mice exhibited defects in early differentiation of T and B lymphocytes, and failed to form lobulo-alveolar mammary structures during pregnancy. Two alternatively spliced transcript variants have been found.

研究领域 (Research Area)

图片 (Image Data)

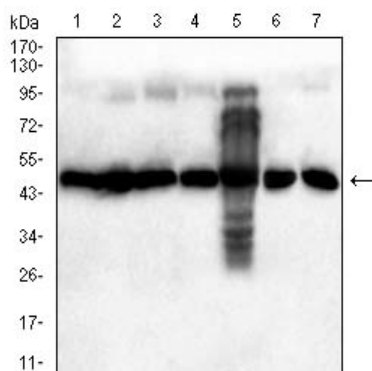


Black line: Control Antigen (100 ng);Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line:Antigen (100 ng)

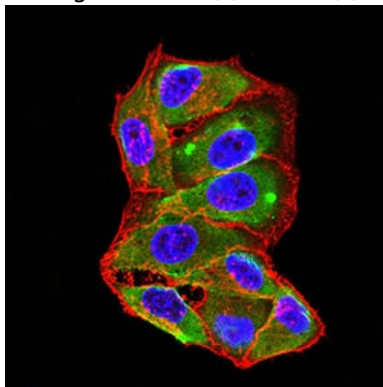


Western blot analysis using TNFSF11 mouse mAb against COS7 (1), Hela (2), U937 (3), HL-60 (4), Raji (5), Ramos (6), Jurkat (7), and SW480 (8) cell lysate.

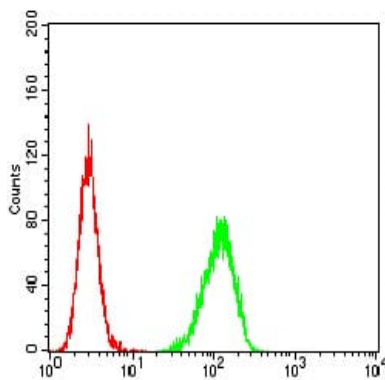
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Western blot analysis using TNFSF11 mouse mAb against PC-12(1)NIH/3T3(2)C2C12(3)C6(4)L1210(5)F9(6)COS-7(7)cell lysate.

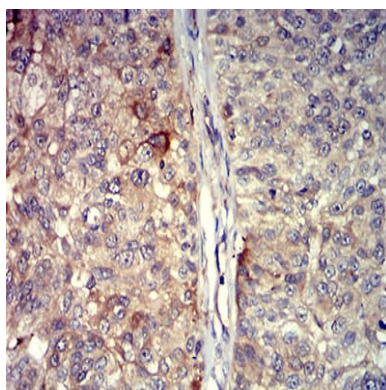


Immunofluorescence analysis of HeLa cells using TNFSF11 mouse mAb (green). Blue: DRAQ5 fluorescent DNA dye. Red: Actin filaments have been labeled with Alexa Fluor- 555 phalloidin. Secondary antibody from Fisher (Cat#: 35503)

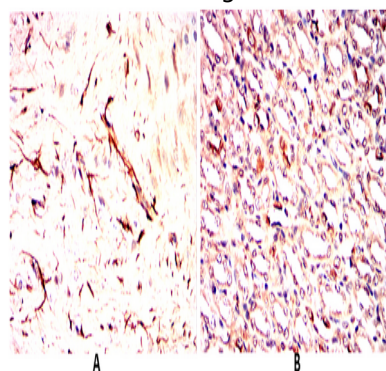


Flow cytometric analysis of HeLa cells using TNFSF11 mouse mAb (green) and negative control (red).

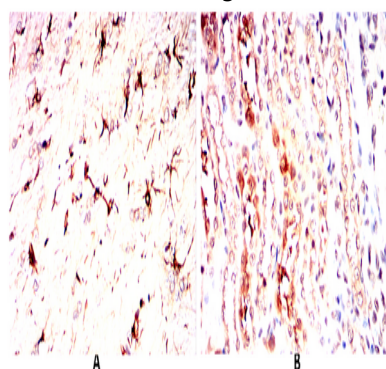
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Immunohistochemical analysis of paraffin-embedded human bladder cancer tissues using TNFSF11 mouse mAb with DAB staining.

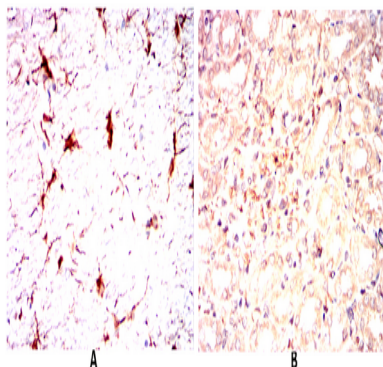


Immunohistochemical analysis of paraffin-embedded Mouse brain(A) Mouse kidney(B) using TNFSF11 mouse mAb with DAB staining.



Immunohistochemical analysis of paraffin-embedded Rat brain(A) Rat kidney(B) using TNFSF11 mouse mAb with DAB staining.

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Immunohistochemical analysis of paraffin-embedded Rabbit brain(A) Rabbit kidney(B) using TNFSF11 mouse mAb with DAB staining.

注意事项 (Note)

For research use only .