abcam

Product datasheet

Anti-DLL1 antibody ab10554

★★★★☆ **2 Abreviews**　　**21 References**　　4 图像

概述

产品名称	Anti-DLL1抗体
描述	兔多克隆抗体to DLL1
宿主	Rabbit
经测试应用	**适用于：** IHC-P, WB, ICC/IF, IHC-Fr, IHC-FoFr
种属反应性	**与反应：** Mouse, Rat, Human
	预测可用于： Chicken ⚠
免疫原	Synthetic peptide:
	CGEEWSQDLHSSGRTDLRYS
	conjugated to KLH, corresponding to amino acids 155-173 of Mouse Delta-1.
	🔳 **Run BLAST with**　　🔳 **Run BLAST with**
常规说明	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.
	If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
存储溶液	Preservative: 0.01% Sodium azide Constituents: 0.42% Potassium phosphate, 0.87% Sodium chloride
纯度	Immunogen affinity purified
纯化说明	This is an affinity purified antibody produced by immunoaffinity chromatography using the immunizing peptide after immobilization to a solid phase. The product is sterile, filtered.
克隆	多克隆
同种型	IgG

应用

"应用说明"部分 下显示的仅为**推荐的起始稀释度**；实际**最佳的稀释度/浓度应由使用者**检定。

应用	Ab评论	说明
IHC-P	★★★☆☆ (1)	Use at an assay dependent concentration.
WB		1/100 - 1/1000. Predicted molecular weight: 78 kDa.
ICC/IF		Use at an assay dependent concentration.
IHC-Fr	★★★★★ (1)	Use at an assay dependent concentration.
IHC-FoFr		Use at an assay dependent concentration.

靶标

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功能	Acts as a ligand for Notch receptors. Blocks the differentiation of progenitor cells into the B-cell lineage while promoting the emergence of a population of cells with the characteristics of a T-cell/NK-cell precursor.
组织特异性	Expressed in heart and pancreas, with lower expression in brain and muscle and almost no expression in placenta, lung, liver and kidney.
序列相似性	Contains 1 DSL domain. Contains 8 EGF-like domains.
翻译后修饰	Ubiquitinated by MIB (MIB1 or MIB2), leading to its endocytosis and subsequent degradation.
细胞定位	Membrane.

图片
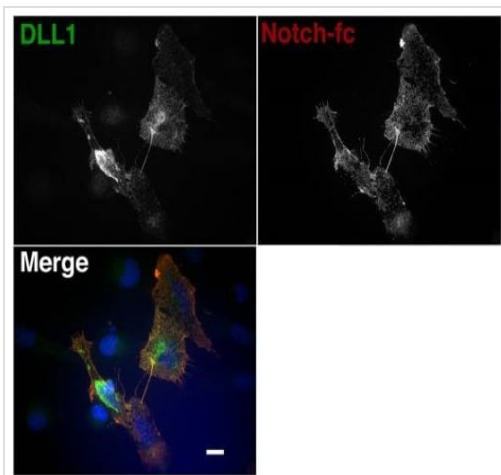
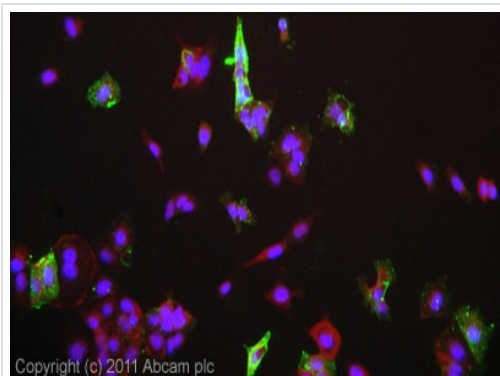Immunocytochemistry/ Immunofluorescence - Anti-DLL1 antibody (ab10554)

ab10554 staining DLL1 in U2OS cells by ICC/IF (Immunocytochemistry/immunofluorescence). Cells were fixed with 4% paraformaldehyde, permeabilized with 0.3% Triton X-100 in PBS and blocked with 4% BSA for 1 hour. Samples were incubated with primary antibody for 1 hour at room temperature. DAPI used to stain nuclei
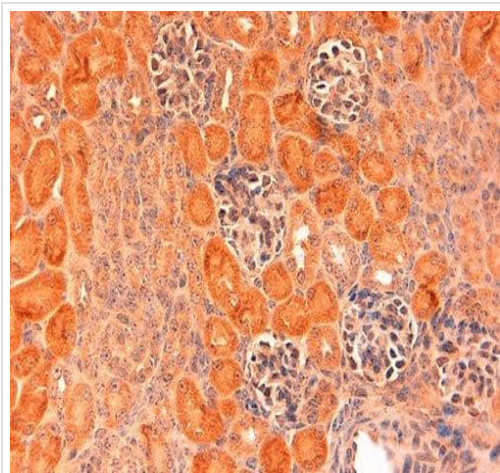

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DLL1 antibody (ab10554)

ab10554 staining DLL1 in Mouse embryonic kidney tissue sections by Immunohistochemistry (IHC-P - paraformaldehyde-fixed, paraffin-embedded sections). Samples were incubated with primary antibody (2ug/ml) for 1.5 hours at room temperature. A peroxidase-conjugated polyclonal was used as the secondary antibody. Nuclei stained purple with hematoxylin.

Immunocytochemistry/ Immunofluorescence - Anti-DLL1 antibody (ab10554)

ICC/IF image of ab10554 stained MCF7 cells. The cells were 4% formaldehyde fixed (10 min) and then incubated in 1%BSA / 10% normal goat serum / 0.3M glycine in 0.1% PBS-Tween for 1h to permeabilise the cells and block non-specific protein-protein interactions. The cells were then incubated with the antibody (ab10554, 1µg/ml) overnight at +4°C. The secondary antibody (green) was Alexa Fluor® 488 goat anti-rabbit IgG (H+L) used at a 1/1000 dilution for 1h. Alexa Fluor® 594 WGA was used to label plasma membranes (red) at a 1/200 dilution for 1h. DAPI was used to stain the cell nuclei (blue) at a concentration of 1.43µM.
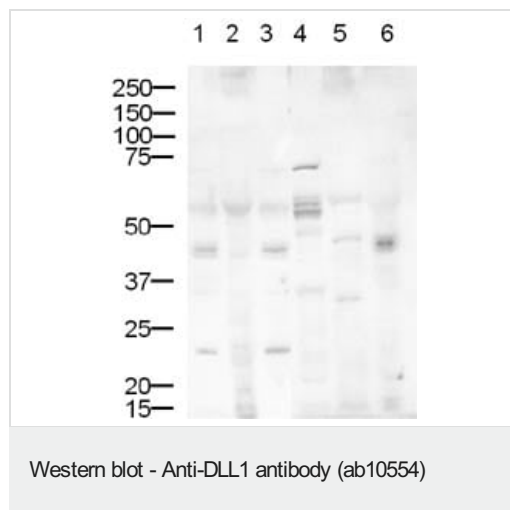
Western blot - Anti-DLL1 antibody (ab10554)

Western blot using Delta 1 antibody (ab10554) at 1/500 tested on the following tissue lysates:

Lane 1: Mouse Heart

Lane 2: Mouse Pancreas

Lane 3: Mouse Brain

Lane 4: Rat Heart

Lane 5: Rat Pancreas

Lane 6: Rat Brain

Secondary ab: Goat anti-rabbit IgG **ab6721** (1/5000)

Exposure time: 1 minute

Expected molecular weight: 77kDa

Cell lysates at 20µg per lane.

NB: This image shows that is was not possible to detect Delta 1 immunoreactivity by WB in the lysates tested. However little is known about Delta 1 expression and it is likely to be developmentally regulated with low expression/abundance making it difficult to detect in whole tissue homogenates. In favour of Delta 1 antibody (ab10554), the staining on the WB shows very low background and little cross reactivity in whole homogenates.

Western blot using Delta 1 antibody (ab10554) at 1/500 tested on the following tissue lysates:

Lane 1: Mouse Heart

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