

Anti-DDR2 antibody [3B11E4] ab63337

★★★★★ [2 Abreviews](#) [6 References](#) [4 图像](#)

概述

产品名称	Anti-DDR2抗体[3B11E4]
描述	小鼠单克隆抗体[3B11E4] to DDR2
宿主	Mouse
经测试应用	适用于: Flow Cyt, WB, ICC/IF, IHC-P
种属反应性	与反应: Human, Recombinant fragment
免疫原	Recombinant fragment corresponding to Human DDR2. Purified truncated recombinant Human DDR2 expressed in E. Coli strain BL21 (DE3)
阳性对照	ICC/IF: A549 cells Flow Cyt: A549 cells Gc-7901 cells
常规说明	<p>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.</p> <p>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</p>

性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	Preservative: 0.05% Sodium azide Constituent: PBS
纯度	Protein G purified
纯化说明	Purified from tissue culture supernatant.
克隆	单克隆
克隆编号	3B11E4
同种型	IgG2a

应用

The Abpromise guarantee

Abpromise™ 承诺保证使用ab63337于以下的经测试应用

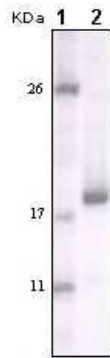
“应用说明”部分下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
Flow Cyt		1/100 - 1/200. ab170191 - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.
WB		1/500 - 1/2000. Predicted molecular weight: 97 kDa.
ICC/IF	★★★★★ (1)	1/500 - 1/2000.
IHC-P	★★★☆☆ (1)	1/500 - 1/2000.

靶标

功能	This tyrosine kinase receptor for fibrillar collagen mediates fibroblast migration and proliferation. Contributes to cutaneous wound healing.
组织特异性	The major 10 kDa transcript is expressed in high levels in heart and lung, less in brain, placenta, liver, skeletal muscle, pancreas, and kidney.
疾病相关	Defects in DDR2 are the cause of spondyloepimetaphyseal dysplasia short limb-hand type (SEMD-SL) [MIM:271665]. A bone disease characterized by short-limbed dwarfism, a narrow chest with pectus excavatum, brachydactyly in the hands and feet, a characteristic craniofacial appearance and premature calcifications. The radiological findings are distinctive and comprise short long bones throughout the skeleton with striking epiphyses that are stippled, flattened and fragmented and flared, irregular metaphyses. Platyspondyly in the spine with wide intervertebral spaces is observed and some vertebral bodies are pear-shaped with central humps, anterior protrusions and posterior scalloping.
序列相似性	Belongs to the protein kinase superfamily. Tyr protein kinase family. Insulin receptor subfamily. Contains 1 F5/8 type C domain. Contains 1 protein kinase domain.
细胞定位	Membrane.

图片



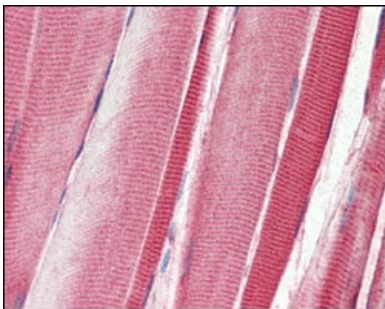
Western blot - Anti-DDR2 antibody [3B11E4] (ab63337)

All lanes : Anti-DDR2 antibody [3B11E4] (ab63337) at 1/500 dilution

Lane 1 : molecular weight markers

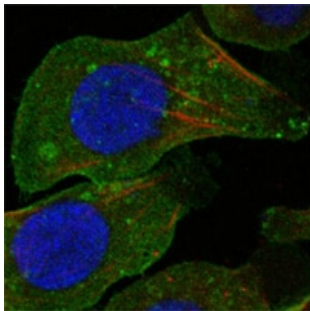
Lane 2 : truncated recombinant DDR2 (immunizing peptide)

Predicted band size: 97 kDa



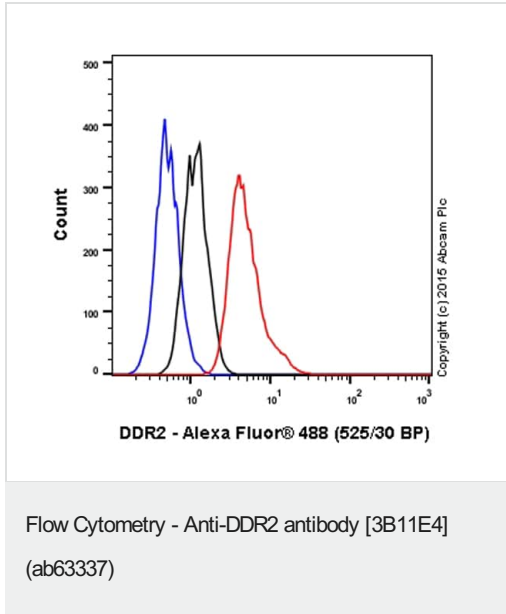
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDR2 antibody [3B11E4] (ab63337)

ab63337 at 1/1000 dilution staining DDR2 in human skeletal muscle tissue section by Immunohistochemistry (Formalin/ PFA-fixed paraffin-embedded tissue sections).



Immunocytochemistry/ Immunofluorescence - Anti-DDR2 antibody [3B11E4] (ab63337)

ab63337 at 1/1000 dilution staining DDR2 in human A549 cells by Immunocytochemistry/ Immunofluorescence. An Alexa Fluor® conjugated Goat anti-mouse was used as secondary. The actin filaments were labeled red with DY-554 phalloidin whilst nuclei were stained blue with DRAQ5 fluorescent DNA dye.



Overlay histogram showing A549 cells stained with ab63337 (red line). The cells were fixed with 80% methanol (5 min) and then permeabilized with 0.1% PBS-Tween for 20 min. The cells were then incubated in 1x PBS / 10% normal goat serum / 0.3M glycine to block non-specific protein-protein interactions followed by the antibody (ab63337, 1/200 dilution) for 30 min at 22°C. The secondary antibody used was Alexa Fluor® 488 goat anti-mouse IgG (H&L) preadsorbed (**ab150117**) at 1/2000 dilution for 30 min at 22°C. Isotype control antibody (black line) was mouse IgG2a (**ab170191**, 0.5µg/1x10⁶ cells) used under the same conditions. Unlabelled sample (blue line) was also used as a control. Acquisition of >5,000 events were collected using a 20mW Argon ion laser (488nm) and 525/30 bandpass filter.

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