

Product datasheet

Anti-DDR2 antibody ab76967

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概述

产品名称	Anti-DDR2抗体
描述	兔多克隆抗体to DDR2
宿主	Rabbit
经测试应用	适用于: WB, IHC-P
种属反应性	与反应: Mouse, Rat 预测可用于: Cow, Dog, Human, Chimpanzee, Rhesus monkey 
免疫原	Synthetic peptide conjugated to KLH derived from within residues 1 - 100 of Human DDR2. 参阅 Abcam的专有抗源政策(Peptide available as <a href="#">ab86427</a> .)
阳性对照	This antibody gave a positive signal in the following Lysates: PC12 Whole Cell, Rat Liver Tissue, Mouse Pancreas Tissue and FFPE human skin melanoma tissue sections.

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 1% BSA, PBS, pH 7.4
纯度	Immunogen affinity purified
克隆	多克隆
同种型	IgG

应用

Our [Abpromise guarantee](#) covers the use of **ab76967** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

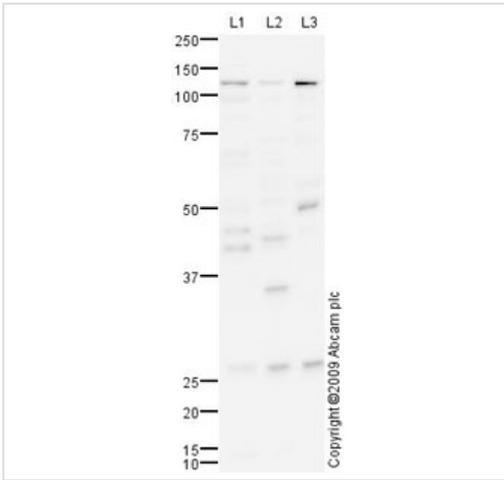
应用	Ab 评论	说明

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WB		Use a concentration of 1 µg/ml. Detects a band of approximately 120 kDa (predicted molecular weight: 97 kDa). Abcam recommends using 3% milk as the blocking agent.
IHC-P		Use a concentration of 5 µg/ml. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

## 靶标

<b>功能</b>	This tyrosine kinase receptor for fibrillar collagen mediates fibroblast migration and proliferation. Contributes to cutaneous wound healing.
<b>组织特异性</b>	The major 10 kDa transcript is expressed in high levels in heart and lung, less in brain, placenta, liver, skeletal muscle, pancreas, and kidney.
<b>疾病相关</b>	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. Platypondyly in the spine with wide intervertebral spaces is observed and some vertebral bodies are pear-shaped with central humps, anterior protrusions and posterior scalloping.
<b>序列相似性</b>	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.
<b>细胞定位</b>	Membrane.

## 图片



Western blot - Anti-DDR2 antibody (ab76967)

**All lanes** : Anti-DDR2 antibody (ab76967) at 1 µg/ml

**Lane 1** : PC12 (Rat adrenal pheochromocytoma cell line) Whole Cell Lysate

**Lane 2** : Liver (Rat) Tissue Lysate

**Lane 3** : Pancreas (Mouse) Tissue Lysate

Lysates/proteins at 10 µg per lane.

### Secondary

**All lanes** : Goat polyclonal to Rabbit IgG - H&L - Pre-Adsorbed (HRP) at 1/3000 dilution

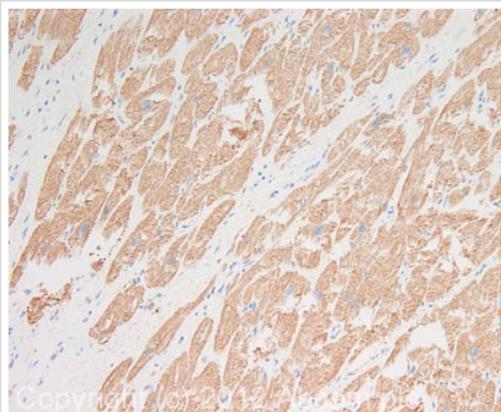
Developed using the ECL technique.

Performed under reducing conditions.

**Predicted band size:** 97 kDa

**Observed band size:** 120 kDa

The 120 kDa band is comparable to molecular weights seen with other commercially available antibodies to DDR2



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-DDR2 antibody (ab76967)

IHC image of DDR2 staining in human heart muscle formalin fixed paraffin embedded tissue section, performed on a Leica Bond™ system using the standard protocol F. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH6, epitope retrieval solution 1) for 20 mins. The section was then incubated with ab76967, 5µg/ml, for 15 mins at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.

For other IHC staining systems (automated and non-automated) customers should optimize variable parameters such as antigen retrieval conditions, primary antibody concentration and antibody incubation times.

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