


Anti-Wnt3 antibody ab32249

23 References 3 图像

概述	
产品名称	Anti-Wnt3抗体
描述	兔多克隆抗体to Wnt3
宿主	Rabbit
特异性	From Jan 2024, QC testing of replenishment batches of this polyclonal changed. All tested and expected application and reactive species combinations are still covered by our Abcam product promise. However, we no longer test all applications. For more information on a specific batch, please contact our Scientific Support who will be happy to help.
经测试应用	适用于: WB, IP, IHC-P
种属反应性	与反应: Human 预测可用于: Mouse, Rabbit, Chicken 
免疫原	Synthetic peptide corresponding to Mouse Wnt3 aa 250-350 conjugated to keyhole limpet haemocyanin. (Peptide available as <a href="#">ab32248</a> )
阳性对照	A549 (Human Lung Carcinoma) Whole Cell Lysate Human lung adenocarcinoma FFPE tissue sections
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&amp;As</p>
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	pH: 7.40 Preservative: 0.02% Sodium azide Constituent: PBS

Batches of this product that have a concentration < 1mg/ml may have BSA added as a stabilising agent. If you would like information about the formulation of a specific lot, please contact our scientific support team who will be happy to help.

**纯度** Immunogen affinity purified  
**克隆** 多克隆  
**同种型** IgG

## 应用

**The Abpromise guarantee** **Abpromise™**承诺保证使用ab32249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
WB		Use a concentration of 1 µg/ml. Detects a band of approximately 37 kDa (predicted molecular weight: 40 kDa).
IP		Use at an assay dependent concentration.
IHC-P		Use at an assay dependent concentration.

## 靶标

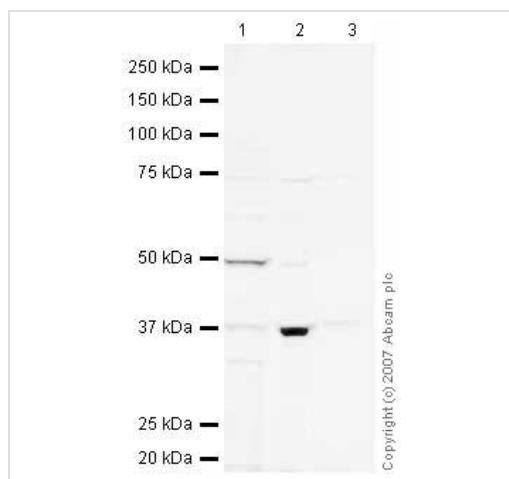
**功能** Ligand for members of the frizzled family of seven transmembrane receptors. Wnt-3 and Wnt-3a play distinct roles in cell-cell signaling during morphogenesis of the developing neural tube.

**疾病相关** Defects in WNT3 are the cause of autosomal recessive tetra-amelia (ARTTRA) [MIM:273395]. Tetra-amelia is a rare human genetic disorder characterized by complete absence of all four limbs and other anomalies such as craniofacial, nervous system, pulmonary, skeletal and urogenital defects.

**序列相似性** Belongs to the Wnt family.

**细胞定位** Secreted > extracellular space > extracellular matrix.

## 图片



Western blot - Anti-Wnt3 antibody (ab32249)

**All lanes :** Anti-Wnt3 antibody (ab32249) at 1 µg/ml

**Lane 1 :** MCF-7 (Human breast adenocarcinoma cell line) Whole Cell Lysate at 10 µg

**Lane 2 :** A549 (Human lung carcinoma cell line) Whole Cell Lysate at 10 µg

**Lane 3 :** Wnt3a Recombinant Protein at 0.01 µg

#### Secondary

**All lanes :** IRDye 680 Conjugated Goat Anti-Rabbit IgG (H+L) at 1/10000 dilution

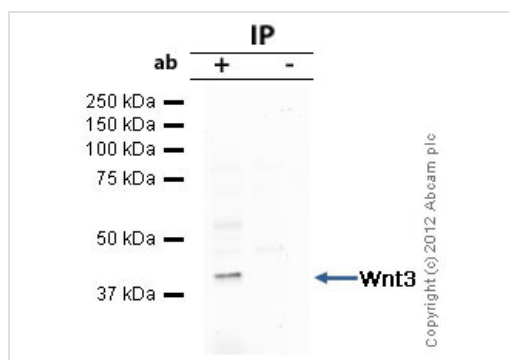
Performed under reducing conditions.

**Predicted band size:** 40 kDa

**Observed band size:** 37 kDa

**Additional bands at:** 50 kDa (possible cross reactivity)

ab32249 is not expected to recognize Wnt3a due to the immunogen having low sequence homology.



Immunoprecipitation - Anti-Wnt3 antibody (ab32249)

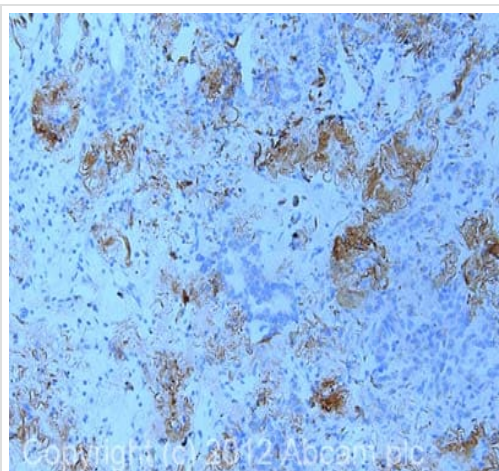
Wnt3 was immunoprecipitated using 0.5mg MCF 7 whole cell extract, 5µg of Rabbit polyclonal to Wnt3 and 50µl of protein G magnetic beads (+). No antibody was added to the control (-). The antibody was incubated under agitation with Protein G beads for 10min, MCF 7 whole cell extract lysate diluted in RIPA buffer was added to each sample and incubated for a further 10min under agitation.

Proteins were eluted by addition of 40µl SDS loading buffer and incubated for 10min at 70°C; 10µl of each sample was separated on a SDS PAGE gel, transferred to a nitrocellulose membrane, blocked with 5% BSA and probed with ab32249.

Secondary: Mouse monoclonal [SB62a] Secondary Antibody to

Rabbit IgG light chain (HRP) ([ab99697](#)).

Band: 40kDa: Wnt3.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Wnt3 antibody (ab32249)

IHC image of ab32249 staining in human lung adenocarcinoma 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 ab32249, 1µg/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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