

Product datasheet

Anti-Nectin 2 antibody [EPR21124] ab233384

Recombinant RabMAb

4 Images

Overview

<b>Product name</b>	Anti-Nectin 2 antibody [EPR21124]
<b>Description</b>	Rabbit monoclonal [EPR21124] to Nectin 2
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Recombinant fragment within Human Nectin 2 aa 1-350. The exact sequence is proprietary. Database link: <a href="#">Q92692</a>
<b>Positive control</b>	WB: Human testis and fetal kidney lysates; HUVEC, HT-29, A549 and MDA-MB-231 whole cell lysates. IHC-P: Human testis, breast cancer and liver tissues.
<b>General notes</b>	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none"> <li>- High batch-to-batch consistency and reproducibility</li> <li>- Improved sensitivity and specificity</li> <li>- Long-term security of supply</li> <li>- Animal-free production</li> </ul> <p>For more information <a href="#">see here</a>.</p> <p>Our RabMAb<sup>®</sup> technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to <a href="#">RabMAb<sup>®</sup> patents</a>.</p>

Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Storage buffer</b>	Preservative: 0.01% Sodium azide Constituents: PBS, 40% Glycerol, 0.05% BSA
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR21124
<b>Isotype</b>	IgG

## Applications

Our [Abpromise guarantee](#) covers the use of **ab233384** in the following tested applications.

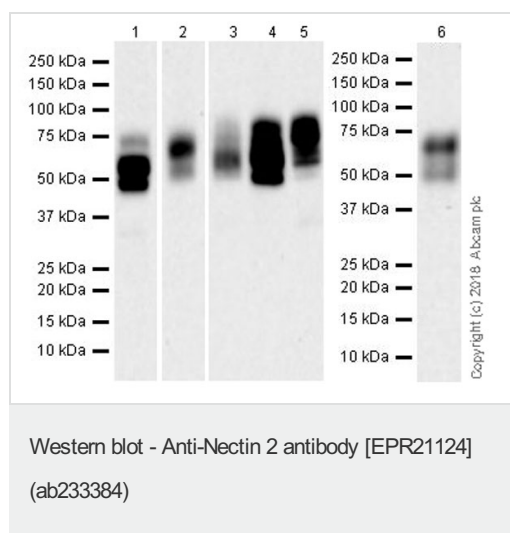
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
IHC-P		1/250. Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.
WB		1/1000. Detects a band of approximately 50-85 kDa (predicted molecular weight: 58 kDa).

## Target

<b>Function</b>	Probable cell adhesion protein.
<b>Tissue specificity</b>	Ubiquitous.
<b>Sequence similarities</b>	Belongs to the nectin family. Contains 2 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
<b>Cellular localization</b>	Cell membrane.

## Images



**All lanes :** Anti-Nectin 2 antibody [EPR21124] (ab233384) at 1/1000 dilution

**Lane 1 :** Human testis lysate at 20 µg

**Lane 2 :** HUVEC (human umbilical vein endothelial cell line) whole cell lysate at 20 µg

**Lane 3 :** HT-29 (human colorectal adenocarcinoma cell line) whole cell lysate at 20 µg

**Lane 4 :** A549 (human lung carcinoma cell line) whole cell lysate at 20 µg

**Lane 5 :** MDA-MB-231 (human breast adenocarcinoma cell line) whole cell lysate at 20 µg

**Lane 6 :** Human fetal kidney lysate at 10 µg

### Secondary

**Lanes 1-5 :** Goat Anti-Rabbit IgG H&L (HRP) (ab97051) at 1/100000 dilution

**Lane 6 :** VeriBlot for IP Detection Reagent (HRP) (ab131366) at 1/1000 dilution

**Predicted band size:** 58 kDa

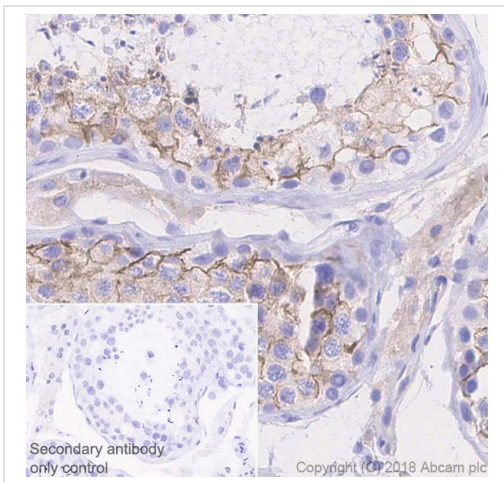
**Observed band size:** 50-85 kDa

[why is the actual band size different from the predicted?](#)

**Exposure time:** 3 minutes

Blocking/Dilution buffer: 5% NFDm/TBST.

Bands between 50- and 85-kDa are splice variants and the glycosylated form of nectin2, consistent with what has been described in the literature (PMID: 15108322 PMID:12445825 PMID:23750010 PMID:12913096).

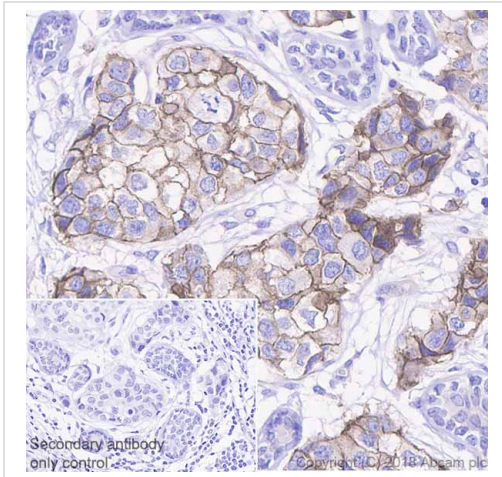


Immunohistochemical analysis of paraffin-embedded human testis tissue labeling Nectin 2 with ab233384 at 1/250 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Membranous and cytoplasmic staining in human testis (PMID: 23758976) is observed. Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nectin 2 antibody [EPR21124] (ab233384)



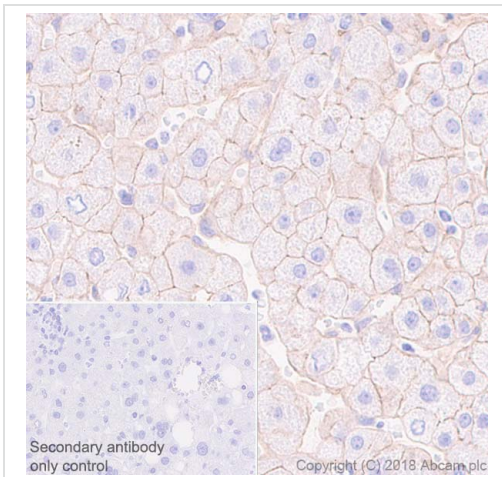
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nectin 2 antibody [EPR21124] (ab233384)

Immunohistochemical analysis of paraffin-embedded human breast cancer tissue labeling Nectin 2 with ab233384 at 1/250 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Membranous and cytoplasmic staining in human breast cancer (PMID: 23758976) is observed. Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-Nectin 2 antibody [EPR21124] (ab233384)

Immunohistochemical analysis of paraffin-embedded human liver tissue labeling Nectin 2 with ab233384 at 1/250 dilution, followed by Goat Anti-Rabbit IgG H&L (HRP) Ready to use. Membranous and cytoplasmic staining in human liver (PMID: 23758976) is observed. Counter stained with hematoxylin.

Secondary antibody only control: Used PBS instead of primary antibody, secondary antibody is Goat Anti-Rabbit IgG H&L (HRP) Ready to use.

Perform heat mediated antigen retrieval with Tris/EDTA buffer pH 9.0 before commencing with IHC staining protocol.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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