


## Product datasheet

# Anti-NDRG2 antibody [EPR11911(B)] ab169775

Recombinant RabMAb

[4 References](#) [5 Images](#)

### Overview

<b>Product name</b>	Anti-NDRG2 antibody [EPR11911(B)]
<b>Description</b>	Rabbit monoclonal [EPR11911(B)] to NDRG2
<b>Host species</b>	Rabbit
<b>Specificity</b>	This antibody cross-reacts with human NDRG4.
<b>Tested applications</b>	<b>Suitable for:</b> IHC-P, WB <b>Unsuitable for:</b> Flow Cyt, ICC/IF or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Cow, Chimpanzee, Cynomolgus monkey, Orangutan, Xenopus tropicalis 
<b>Immunogen</b>	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	Human fetal heart, fetal brain, HepG2 or fetal kidney lysate, Human heart or liver tissue
<b>General notes</b>	This product is a recombinant monoclonal antibody, which offers several advantages including: <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> For more information <a href="#">see here</a> . 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> .

### 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.
<b>Storage buffer</b>	pH: 7.2 Preservative: 0.01% Sodium azide Constituents: 9% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA, 50% Tissue culture supernatant
<b>Purity</b>	Protein A purified

<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR11911(B)
<b>Isotype</b>	IgG

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab169775 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

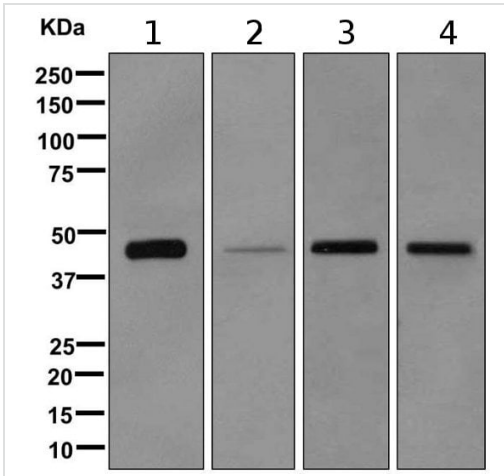
Application	Abreviews	Notes
IHC-P		1/50 - 1/100. Perform heat mediated antigen retrieval before commencing with IHC staining protocol.
WB		1/1000 - 1/10000. Predicted molecular weight: 41 kDa.

**Application notes** Is unsuitable for Flow Cyt, ICC/IF or IP.

## Target

<b>Function</b>	May be involved in dendritic cell and neuron differentiation. May have anti-tumor activity.
<b>Tissue specificity</b>	Highly expressed in brain, heart, skeletal muscle and salivary gland, and moderately in kidney and liver. Expressed in dendritic cells, but not in other blood cells. Expression levels are low in pancreatic and liver cancer tissues; absent in meningioma. Expressed in low-grade gliomas but present at low levels in glioblastoma. Isoform 1 and isoform 2 are present in brain neurons and up-regulated in Alzheimer disease (at protein level).
<b>Sequence similarities</b>	Belongs to the NDRG family.
<b>Developmental stage</b>	Specifically expressed during dendritic cell differentiation (in vitro). Expression is low in fetal brain and increases during brain postnatal development.
<b>Cellular localization</b>	Cytoplasm. Cytoplasm > perinuclear region. Perinuclear in neurons.

## Images



Western blot - Anti-NDRG2 antibody [EPR11911(B)] (ab169775)

**All lanes :** Anti-NDRG2 antibody [EPR11911(B)] (ab169775) at 1/1000 dilution

**Lane 1 :** Human fetal heart tissue lysate

**Lane 2 :** Human fetal brain tissue lysate

**Lane 3 :** HepG2 cell lysate

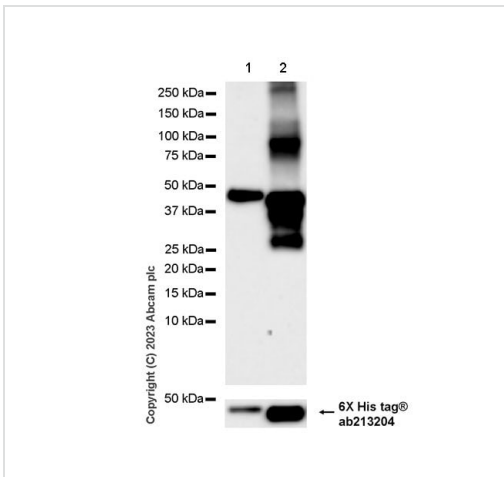
**Lane 4 :** Human fetal kidney tissue lysate

Lysates/proteins at 10 µg per lane.

**Secondary**

**All lanes :** HRP labeled goat anti-rabbit at 1/2000 dilution

**Predicted band size:** 41 kDa



Western blot - Anti-NDRG2 antibody [EPR11911(B)] (ab169775)

**All lanes :** Anti-NDRG2 antibody [EPR11911(B)] (ab169775) at 1/1000 dilution

**Lane 1 :** His-tagged human NDRG2 recombinant protein, 10 ng

**Lane 2 :** His-tagged human NDRG4 recombinant protein, 10 ng

**Secondary**

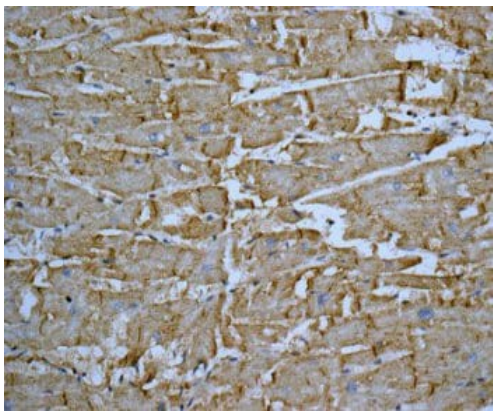
**All lanes :** Goat Anti-Rabbit IgG H&L (HRP) ([ab97051](#)) at 1/100000 dilution

**Predicted band size:** 41 kDa

**Observed band size:** 40 kDa

**Exposure time:** 1 second

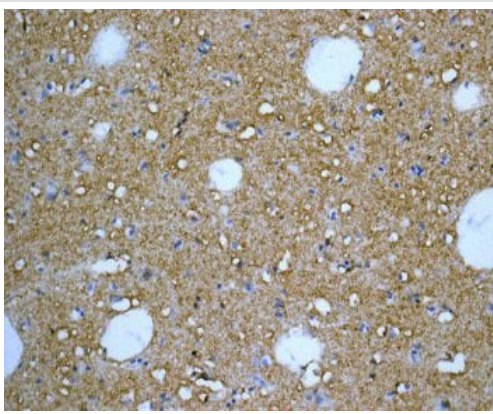
Blocking buffer: 5% NFD/MBST.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NDRG2 antibody [EPR11911(B)] (ab169775)

Immunohistochemical analysis of paraffin embedded Human heart tissue labeling NDRG2 with ab169775 at a 1/50 dilution

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-NDRG2 antibody [EPR11911(B)] (ab169775)

Immunohistochemical analysis of paraffin embedded Human liver tissue labeling NDRG2 with ab169775 at a 1/50 dilution.

Perform heat mediated antigen retrieval before commencing with IHC staining protocol.

### Why choose a recombinant antibody?

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**Research with confidence**  
Consistent and reproducible results
- 

**Long-term and scalable supply**  
Recombinant technology
- 

**Success from the first experiment**  
Confirmed specificity
- 

**Ethical standards compliant**  
Animal-free production

Anti-NDRG2 antibody [EPR11911(B)] (ab169775)

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

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- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

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