

## Product datasheet

# Anti-HIF1AN/FIH-1 antibody [EPR27308-67] - BSA and Azide free ab307830

Recombinant RabMAb

[4 Images](#)

### Overview

<b>Product name</b>	Anti-HIF1AN/FIH-1 antibody [EPR27308-67] - BSA and Azide free
<b>Description</b>	Rabbit monoclonal [EPR27308-67] to HIF1AN/FIH-1 - BSA and Azide free
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB <b>Unsuitable for:</b> Flow Cyt, ICC/IF, IHC-P or IP
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat
<b>Immunogen</b>	Recombinant fragment. This information is proprietary to Abcam and/or its suppliers.
<b>Positive control</b>	WB: C2C12, PC-12, C6, RAW264.7 and A20 whole cell lysate. Mouse brain, heart, colon, hypothalamus and skeletal tissue lysate. Rat brain, heart and hypothalamus tissue lysate.
<b>General notes</b>	<p>ab307830 is a carrier free version of <a href="#">ab307829</a></p> <p>Our <b>carrier-free</b> antibodies are typically supplied in a PBS-only formulation, purified and free of BSA, sodium azide and glycerol. The carrier-free buffer and high concentration allow for increased conjugation efficiency.</p> <p>This conjugation-ready format is designed for use with fluorochromes, metal isotopes, oligonucleotides, and enzymes, which makes them ideal for antibody labelling, functional and cell-based assays, flow-based assays (e.g. mass cytometry) and Multiplex Imaging applications.</p> <p>Use our <b>conjugation kits</b> for antibody conjugates that are ready-to-use in as little as 20 minutes with &lt;1 minute hands-on-time and 100% antibody recovery: available for fluorescent dyes, HRP, biotin and gold.</p> <p>This product is compatible with the Maxpar<sup>®</sup> Antibody Labeling Kit from Fluidigm, without the need for antibody preparation. Maxpar<sup>®</sup> is a trademark of Fluidigm Canada Inc.</p> <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

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<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	pH: 7.20 Constituent: 100% PBS
<b>Carrier free</b>	Yes
<b>Purity</b>	Protein A purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	EPR27308-67
<b>Isotype</b>	IgG

## Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab307830 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
<b>WB</b>		Use at an assay dependent concentration. Predicted molecular weight: 40 kDa.

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

## Target

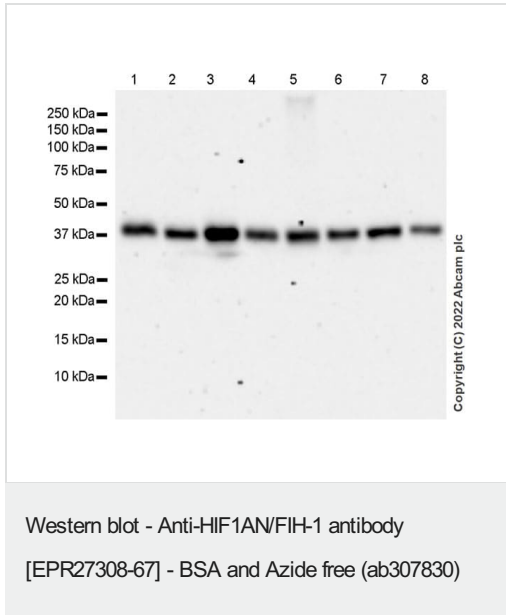
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<b>Function</b>	Hydroxylates HIF-1 alpha at 'Asp-803' in the C-terminal transactivation domain (CAD). Functions as an oxygen sensor and, under normoxic conditions, the hydroxylation prevents interaction of HIF-1 with transcriptional coactivators including Cbp/p300-interacting transactivator. Involved in transcriptional repression through interaction with HIF 1A, VHL and histone deacetylases.
<b>Sequence similarities</b>	Contains 1 JmjC domain.
<b>Cellular localization</b>	Nucleus.

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## Images

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**All lanes :** Anti-HIF1AN/FlH-1 antibody [EPR27308-67] (**ab307829**) at 1/1000 dilution

**Lane 1 :** Mouse brain tissue lysate

**Lane 2 :** Mouse heart tissue lysate

**Lane 3 :** Mouse skeletal muscle tissue lysate

**Lane 4 :** Mouse hypothalamus tissue lysate

**Lane 5 :** Mouse colon tissue lysate

**Lane 6 :** Rat brain tissue lysate

**Lane 7 :** Rat heart tissue lysate

**Lane 8 :** Rat hypothalamus tissue lysate

Lysates/proteins at 20 µg per lane.

### Secondary

**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) at 1/100000 dilution

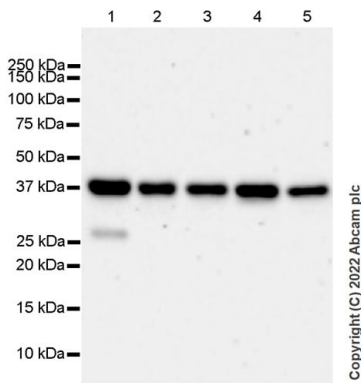
**Predicted band size:** 40 kDa

**Observed band size:** 42 kDa

This data was produced using AB307829 the same antibody clone but in a different buffer.

Blocking and diluting buffer and concentration: 5% NFDm/TBST.

Exposure time: 92 seconds.



Western blot - Anti-HIF1AN/FIH-1 antibody [EPR27308-67] - BSA and Azide free (ab307830)

**All lanes** : Anti-HIF1AN/FIH-1 antibody [EPR27308-67] ([ab307829](#)) at 1/1000 dilution

**Lane 1** : A20 (mouse reticulum sarcoma B lymphocyte) whole cell lysate

**Lane 2** : RAW 264.7 (mouse Abelson murine leukemia virus-induced tumor macrophage) whole cell lysate

**Lane 3** : C6 (rat glial tumor glial cell) whole cell lysate

**Lane 4** : PC-12 (rat adrenal gland pheochromocytoma) whole cell lysate

**Lane 5** : C2C12 (mouse myoblast) whole cell lysate

Lysates/proteins at 20 µg per lane.

### Secondary

**All lanes** : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated ([ab97051](#)) at 1/100000 dilution

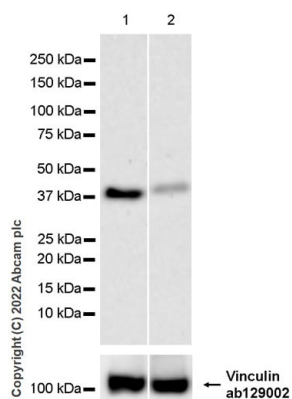
**Predicted band size:** 40 kDa

**Observed band size:** 42 kDa

This data was produced using AB307829 the same antibody clone but in a different buffer.

Blocking and diluting buffer and concentration: 5% NFDN/TBST.

Exposure time: 136 seconds.



Western blot - Anti-HIF1AN/FIH-1 antibody [EPR27308-67] - BSA and Azide free (ab307830)

**All lanes :** Anti-HIF1AN/FIH-1 antibody [EPR27308-67] (**ab307829**) at 1/1000 dilution

**Lane 1 :** C2C12 (mouse myoblast) transfected with scrambled siRNA control, whole cell lysate at 16  $\mu$ g

**Lane 2 :** C2C12 transfected with siRNA specifically targeting HIF1AN/FIH-1, whole cell lysate at 20  $\mu$ g

### Secondary

**All lanes :** Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated (**ab97051**) at 1/100000 dilution

**Predicted band size:** 40 kDa

**Observed band size:** 42 kDa

This data was produced using AB307829 the same antibody clone but in a different buffer.

Blocking and diluting buffer and concentration: 5% NFDm/TBST.

In Western blot, anti- Vinculin antibody (**ab129002**) loading control staining at 1/10000 dilution.

Exposure time: 180 seconds.

### Why choose a recombinant antibody?



**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-HIF1AN/FlH-1 antibody [EPR27308-67] - BSA and Azide free (ab307830)

**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
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