

## Product datasheet

# Anti-HIF1AN antibody ab86176

[2 Images](#)

### Overview

<b>Product name</b>	Anti-HIF1AN antibody
<b>Description</b>	Rabbit polyclonal to HIF1AN
<b>Host species</b>	Rabbit
<b>Tested applications</b>	<b>Suitable for:</b> WB
<b>Species reactivity</b>	<b>Reacts with:</b> Human <b>Predicted to work with:</b> Mouse, Rat, Rabbit, Horse, Chicken, Guinea pig, Cow, Cat, Dog, Zebrafish
<b>Immunogen</b>	Synthetic peptide from within a region of internal sequence amino acids 287-336 (GITITVNFYW KGAPTPKRIE YPLKAHQKVA IMRNIKMLG EALGNPQEVG) of Human HIF1AN (NP_060372) <a href="#">Run BLAST with ExPASy</a> <a href="#">Run BLAST with NCBI</a>
<b>Positive control</b>	Human fetal muscle lysate

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
<b>Storage buffer</b>	Preservative: None Constituents: 2% Sucrose, PBS
<b>Purity</b>	Immunogen affinity purified
<b>Clonality</b>	Polyclonal
<b>Isotype</b>	IgG

### Applications

Our [Abpromise guarantee](#) covers the use of **ab86176** in the following tested applications.

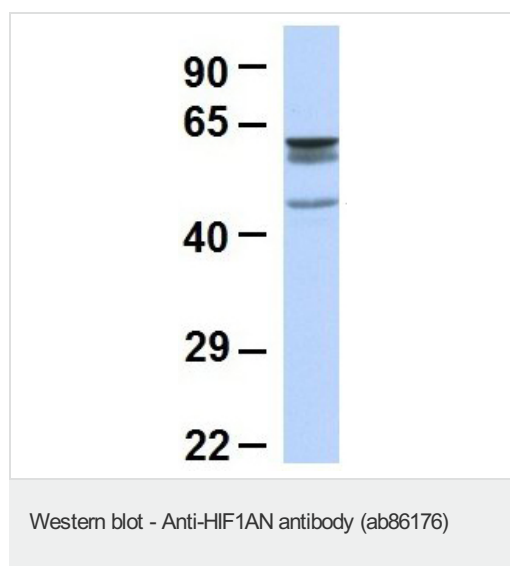
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		Use a concentration of 1 µg/ml. Predicted molecular weight: 40 kDa. Good results were obtained when blocked with 5% non-fat dry milk in 0.05% PBS-T.

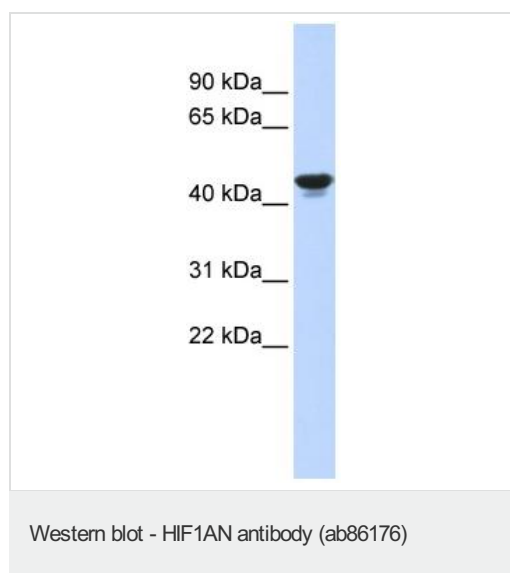
## Target

<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 HIF1A, VHL and histone deacetylases.
<b>Sequence similarities</b>	Contains 1 JmjC domain.
<b>Cellular localization</b>	Nucleus.

## Images



Western blot analysis of Human fetal heart tissue lysate labeling HIF1AN with ab86176 at 1.0 µg/ml.



Anti-HIF1AN antibody (ab86176) at 1 µg/ml (5% skim milk/ PBS buffer) + fetal muscle lysate at 10 µg

### Secondary

HRP conjugated anti-Rabbit IgG at 1/50000 dilution

**Predicted band size:** 40 kDa

Gel concentration: 12%

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