

Product datasheet

Anti-HIF1AN antibody ab86176

[2 Images](#)

Overview

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

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: PBS, 2% Sucrose
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	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

Function

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.

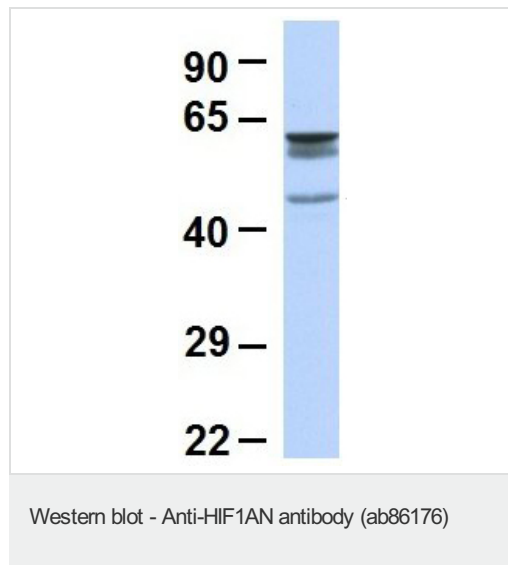
Sequence similarities

Contains 1 JmjC domain.

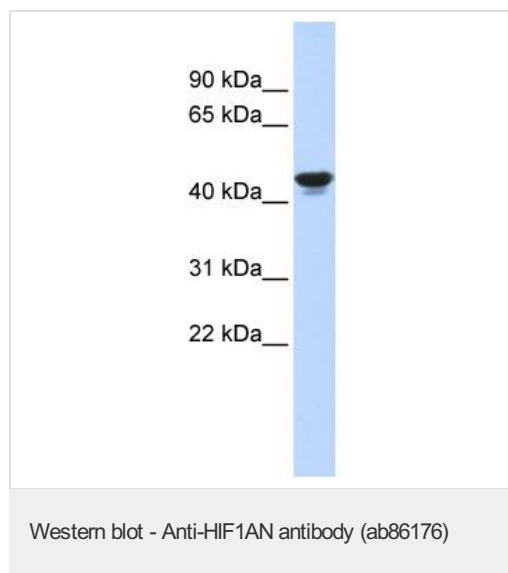
Cellular localization

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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