

Product datasheet

Anti-HIF1AN/FIH-1 antibody ab187524

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

Overview

Product name	Anti-HIF1AN/FIH-1 antibody
Description	Rabbit polyclonal to HIF1AN/FIH-1
Host species	Rabbit
Tested applications	Suitable for: ICC/IF, WB, IHC-P
Species reactivity	Reacts with: Mouse, Human
Immunogen	Recombinant full length protein corresponding to Human HIF1AN/FIH-1. Database link: Q9NWT6
Positive control	MCF7, K562, U937, 293T cell lysates; mouse heart;and skeletal muscle lysates.
General notes	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As</p>

Properties

Form	Liquid
Storage instructions	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.
Storage buffer	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 49% PBS, 50% Glycerol
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab187524 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
ICC/IF		Use at an assay dependent concentration.
WB		1/500 - 1/2000. Predicted molecular weight: 40 kDa.
IHC-P		1/50 - 1/200.

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.

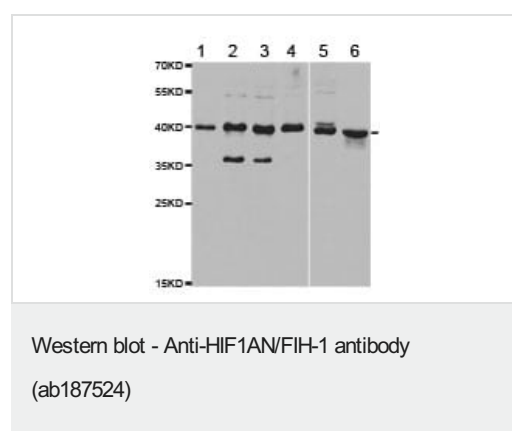
Sequence similarities

Contains 1 JmjC domain.

Cellular localization

Nucleus.

Images



All lanes : Anti-HIF1A/FIH-1 antibody (ab187524) at 1/500 dilution

Lane 1 : MCF7 cell lysate

Lane 2 : K562 cell lysate

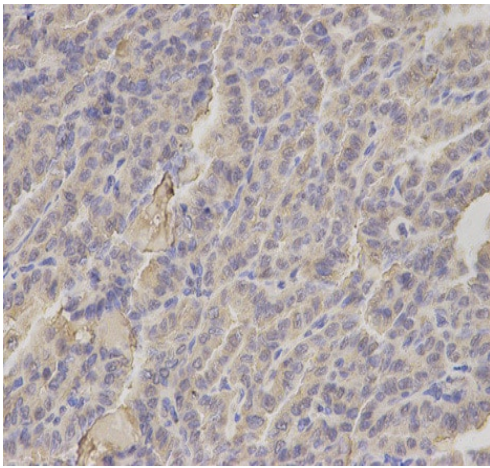
Lane 3 : U937 lysate

Lane 4 : 293T cell lysate

Lane 5 : Mouse heart lysate

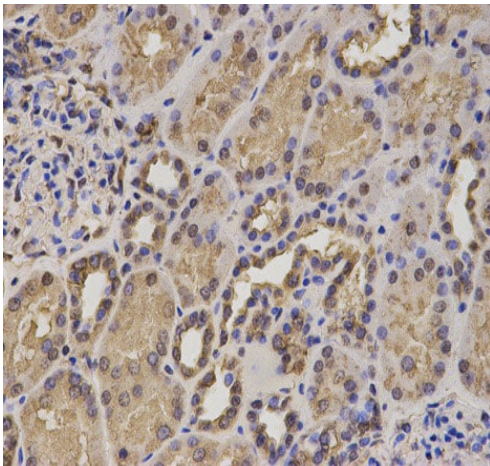
Lane 6 : Mouse skeletal muscle lysate

Predicted band size: 40 kDa



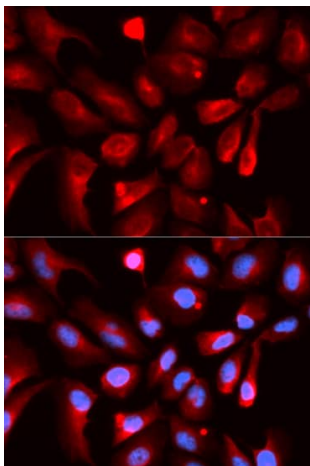
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human thyroid cancer tissue labelling HIF1AN/FIH-1 with ab187524 at 1/200. Magnification: 400x.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HIF1AN/FIH-1 antibody (ab187524)



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human kidney tissue labelling HIF1AN/FIH-1 with ab187524 at 1/200. Magnification: 400x.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HIF1AN/FIH-1 antibody (ab187524)



Immunocytochemistry/Immunofluorescence analysis of U2OS cells using ab187524. Blue DAPI for nuclear staining.

Immunocytochemistry/ Immunofluorescence - Anti-HIF1AN/FIH-1 antibody (ab187524)

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

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