

Product datasheet

Anti-HIF Prolyl Hydroxylases antibody ab126943

[2 Images](#)

Overview

Product name	Anti-HIF Prolyl Hydroxylases antibody
Description	Rabbit polyclonal to HIF Prolyl Hydroxylases
Host species	Rabbit
Tested applications	Suitable for: WB, IHC-P
Species reactivity	Reacts with: Human
Immunogen	Recombinant fragment corresponding to Human HIF Prolyl Hydroxylases aa 50-350 (internal sequence).
Positive control	Human colon carcinoma tissue; A549, H1299 and HCT116 whole cell 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. Upon delivery aliquot. Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	pH: 7.00 Preservative: 0.01% Thimerosal (merthiolate) Constituents: 78.99% PBS, 1% BSA, 20% Glycerol (glycerin, glycerine)
Purity	Immunogen affinity purified
Clonality	Polyclonal
Isotype	IgG

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab126943 in the following tested applications.

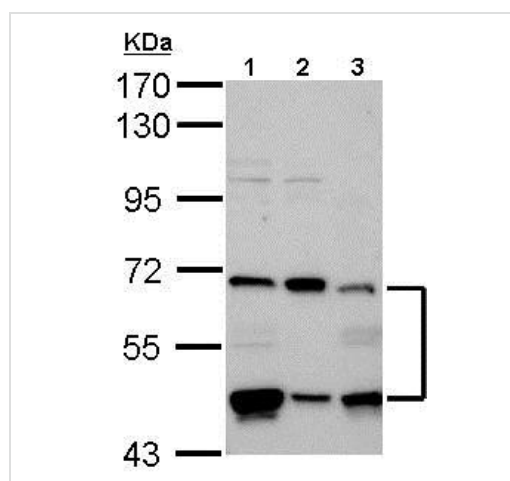
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
WB		1/500 - 1/3000. Predicted molecular weight: 57 kDa.
IHC-P		1/100 - 1/500.

Target

Function	Catalyzes the post-translational formation of 4-hydroxyproline in hypoxia-inducible factor (HIF) alpha proteins. Hydroxylates HIF1A at 'Pro-402' and 'Pro-564'. May function as a cellular oxygen sensor and, under normoxic conditions, may target HIF through the hydroxylation for proteasomal degradation via the von Hippel-Lindau ubiquitination complex.
Tissue specificity	Widely expressed with highest levels in adult pancreas, heart, skeletal muscle, brain, placenta, kidney and adrenal gland. Expressed at lower levels in epiphyseal cartilage and in fibroblasts.
Sequence similarities	Contains 2 EF-hand domains. Contains 1 Fe2OG dioxygenase domain.
Post-translational modifications	Glycosylated.
Cellular localization	Endoplasmic reticulum membrane.

Images



Western blot - Anti-HIF Prolyl Hydroxylases antibody (ab126943)

All lanes : Anti-HIF Prolyl Hydroxylases antibody (ab126943) at 1/1000 dilution

Lane 1 : A549 whole cell lysate

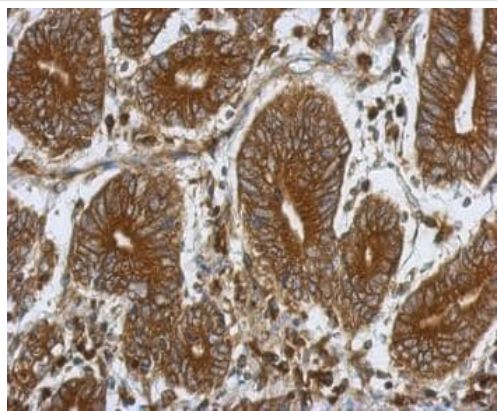
Lane 2 : H1299 whole cell lysate

Lane 3 : HCT116 whole cell lysate

Lysates/proteins at 30 µg per lane.

Predicted band size: 57 kDa

7.5% SDS-PAGE



ab126943, at 1/500 dilution, staining HIF Prolyl Hydroxylases in paraffin-embedded Human colon carcinoma tissue by Immunohistochemistry.

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-HIF Prolyl Hydroxylases antibody (ab126943)

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

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