

Product datasheet

Anti-DOHH antibody [EPR16730] ab197587

Recombinant RabMAb

3 Images

Overview

Product name	Anti-DOHH antibody [EPR16730]
Description	Rabbit monoclonal [EPR16730] to DOHH
Host species	Rabbit
Tested applications	Suitable for: WB, IP
Species reactivity	Reacts with: Human
Immunogen	Synthetic peptide. This information is proprietary to Abcam and/or its suppliers.
Positive control	WB: LNCaP, U-87 MG and SH-SY5Y whole cell lysates. IP: SH-SY5Y whole cell extract.
General notes	<p>This product is a recombinant monoclonal antibody, which offers several advantages including:</p> <ul style="list-style-type: none">- High batch-to-batch consistency and reproducibility- Improved sensitivity and specificity- Long-term security of supply- Animal-free production <p>For more information see here.</p> <p>Our RabMAb[®] technology is a patented hybridoma-based technology for making rabbit monoclonal antibodies. For details on our patents, please refer to RabMAb[®] patents.</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: 7.2 Preservative: 0.01% Sodium azide Constituents: 59% PBS, 40% Glycerol (glycerin, glycerine), 0.05% BSA
Purity	Protein A purified
Clonality	Monoclonal
Clone number	EPR16730
Isotype	IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab197587 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		1/5000. Detects a band of approximately 33 kDa (predicted molecular weight: 33 kDa).
IP		1/50.

Target

Function

Catalyzes the hydroxylation of the N(6)-(4-aminobutyl)-L-lysine intermediate to form hypusine, an essential post-translational modification only found in mature eIF-5A factor.

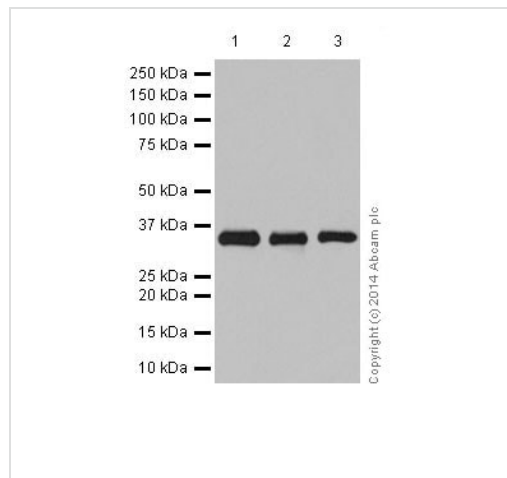
Pathway

Protein modification; eIF5A hypusination.

Sequence similarities

Belongs to the deoxyhypusine hydroxylase family.
Contains 5 HEAT-like PBS-type repeats.

Images



Western blot - Anti-DOHH antibody [EPR16730] (ab197587)

All lanes : Anti-DOHH antibody [EPR16730] (ab197587) at 1/5000 dilution

Lane 1 : LNCaP (Human prostate cancer cell line) whole cell lysate

Lane 2 : U-87 MG (Human glioblastoma-astrocytoma epithelial cell line) whole cell lysate

Lane 3 : SH-SY5Y (Human neuroblastoma from bone marrow cells) whole cell lysate

Lysates/proteins at 20 µg per lane.

Secondary

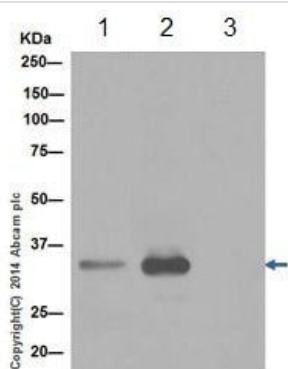
All lanes : Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/1000 dilution

Predicted band size: 33 kDa

Observed band size: 33 kDa

Exposure time: 1 minute

Blocking/Dilution buffer: 5% NFD/MTBST.



Immunoprecipitation - Anti-DOHH antibody
[EPR16730] (ab197587)

DOHH was immunoprecipitated from SH-SY5Y (Human neuroblastoma from bone marrow cells) whole cell extract with ab197587 at 1/50 dilution. Western blot was performed from the immunoprecipitate using ab197587 at 1/1000 dilution. Anti-Rabbit IgG (HRP), specific to the non-reduced form of IgG, was used as secondary antibody at 1/1500 dilution.

Lane 1: SH-SY5Y whole cell extract 10 µg (Input). Lane 2: ab197587 IP in SH-SY5Y whole cell extract. Lane 3: Rabbit monoclonal IgG (**ab172730**) instead of ab197587 in SH-SY5Y whole cell extract

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

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-DOHH antibody [EPR16730] (ab197587)

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

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