

Product Datasheet

HIF-1 alpha [p Ser311, Hydroxy Thr299] Antibody (Clone) [mFluor Violet 450 SE] - (Asp175), (CoCl₂ Treated), K75D Mutant - Azide and BSA Free NB100-105L-0.025ml

Unit Size: 0.025 ml

Store at 4C in the dark.

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Updated 4/2/2025 v.20.1

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NB100-105L-0.025ml

HIF-1 alpha [p Ser311, Hydroxy Thr299] Antibody (Clone) [mFluor Violet 450 SE] - (Asp175), (CoCl₂ Treated), K75D Mutant - Azide and BSA Free

Product Information	
Unit Size	0.025 ml
Concentration	This product is unpurified. The exact concentration of antibody is not quantifiable.
Storage	Store at 4C in the dark.
Clonality	Polyclonal
Clone	Clone
Preservative	0.05% Sodium Azide
Reconstitution Instructions	Reconstitution instructions.Reconstitution instructions.Reconstitution instructions.
Isotype	IgG2b
Conjugate	mFluor Violet 450 SE
Purity	Unpurified
Buffer	BufferBuffer - making a test edit
Target Molecular Weight	20/70 kDa

Product Description	
Description	<p>DRAQ7 (TM) is an ideal far-red DNA counterstain for IF/IHC, high content screening and cell-based assays. DRAQ7 (TM) has many applications and is highly compatible with existing protocols across a wide range of instrumentation platforms.</p> <p>Key Features of DRAQ7 (TM):</p> <ul style="list-style-type: none"> Does NOT enter intact, live cells Excited by blue through red lasers DRAQ7 (TM) is NON-TOXIC in long-term culture Ideal replacement for propidium iodide (and 7-AAD) having far better spectral properties: no UV excitation and no emission overlap with PE and homologues Allows a new design of combination analysis for cell health and status Viability/integrity can be directly interchanged with DRAQ5 (TM) (DNA content) Rapid staining of dsDNA/nuclei of DEAD or permeabilised cells Combination with live cell dyes for dead/live discrimination Easy to use - no wash, no RNase needed Ideal for use with GFP & FITC labels - DRAQ7 (TM) fluoresces in the far-red region NO fluorescence enhancement upon DNA binding Low photobleaching effect Compatibility with optics of flow, laser scanning cytometers and confocal and lamp-based fluorescence microscopes Cost-effective analysis
Host	Pig
Target Species	Human
Gene ID	3091
Gene Symbol	HIF1A
Growth Properties	Growth Properties



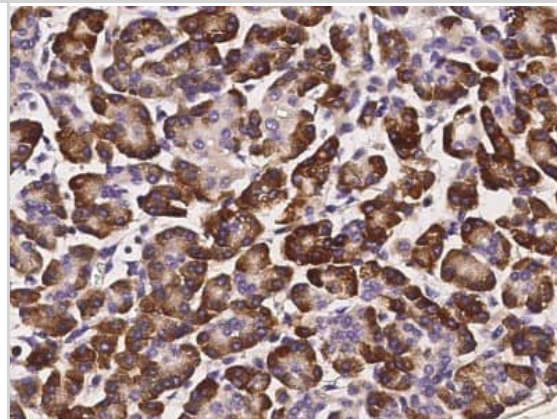
Lysate Position	Ventral
Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, ELISA, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Frozen, Binding Activity, Cell Culture, CyTOF-ready, Dual RNAscope ISH-IHC
Recommended Dilutions	Western Blot 1:500, ELISA 1:100 - 1:2000, Immunocytochemistry/Immunofluorescence 1:100, Immunohistochemistry-Paraffin 100 ug/ml for 30 minutes at RT, Immunohistochemistry-Frozen 1:20 - 1:50, Binding Activity, CyTOF-ready 1×10^6 , Dual RNAscope ISH-IHC Compatible, Cell Culture 1:1000 - 1:20000
Application Notes	Application Notes

Images

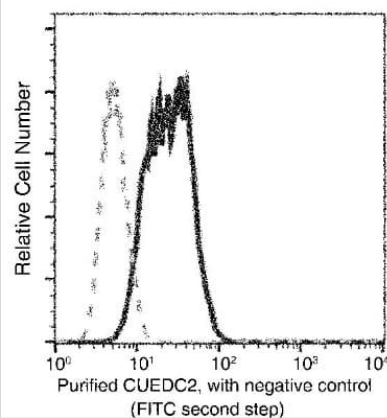
Western Blot: HIF-1 alpha [p Ser311, Hydroxy Thr299] Antibody (Clone) [Alexa Fluor® 555] - (Asp175) (CoCl₂ Treated) - Pre-adsorbed [NB100-105L] - test1234



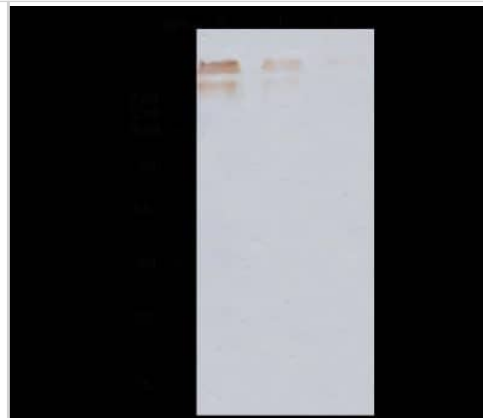
Immunohistochemistry: HIF-1 alpha [p Ser311, Hydroxy Thr299] Antibody (H1) [Alexa Fluor® 488] - (Asp175), (CoCl₂ Treated) - Pre-adsorbed [NB100-105L] - test



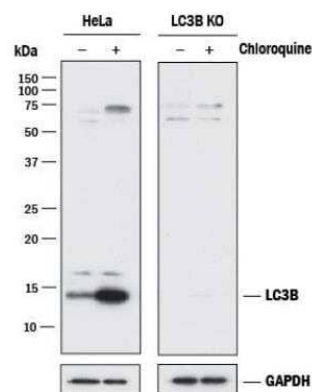
Flow Cytometry: HIF-1 alpha [p Ser311, Hydroxy Thr299] Antibody (H1) [Alexa Fluor® 488] - (Asp175), (CoCl₂ Treated) - Pre-adsorbed [NB100-105L] - test



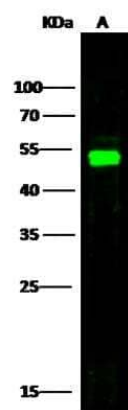
Western Blot: HIF-1 alpha [p Ser311, Hydroxy Thr299] Antibody (H1)
[Alexa Fluor® 488] - (Asp175), (CoCl₂ Treated) - Pre-adsorbed [NB100-105L] - test



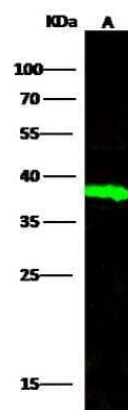
Western Blot: HIF-1 alpha [p Ser311, Hydroxy Thr299] Antibody (H1)
[Alexa Fluor® 488] - (Asp175) (CoCl₂ Treated) - Pre-adsorbed [NB100-105L] - Western Blot



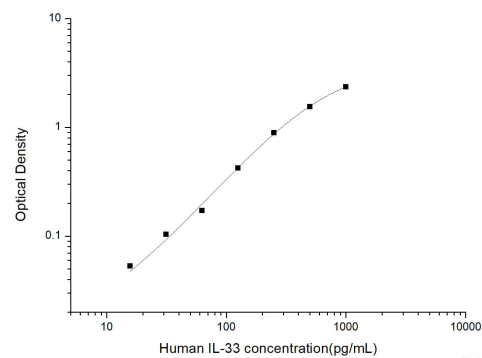
Western Blot: HIF-1 alpha [p Ser311, Hydroxy Thr299] Antibody (H1H1)
[Alexa Fluor® 488] - (Asp175), (CoCl₂ Treated) - Pre-adsorbed [NB100-105L] - Test



Western Blot: HIF-1 alpha [p Ser311, Hydroxy Thr299] Antibody (H1H1)
[Alexa Fluor® 488] - (Asp175), (CoCl₂ Treated) - Pre-adsorbed [NB100-105L] - Test



Testing123



Publications

Florescu C, Tarteza G, Streba C Et Al. The Evaluation of Beta-2-Adrenoreceptors' Expression in Normal Peritumoral Tissue in Patients with Colorectal Adenocarcinoma. *Curr Health Sci J* 2018-12-25 [PMID: 30581586]

Yang TH, Yao HT, Chiang MT. Red algae (*Gelidium amansii*) hot-water extract ameliorates lipid metabolism in hamsters fed a high-fat diet. *J Food Drug Anal* 2017-10-09 [PMID: 28987370]



Procedures

Antibody Competition protocol for HIF-1 alpha Antibody (NB100-105L)

Materials

Assay Buffer: 50 mM Tris, pH 8.0

Recombinant Human Pro TNF alpha Fusion Protein (rhPro-TNF-alpha) (Catalog # 1012-PS)

Recombinant Human TACE/ADAM17 (rhTACE) (Catalog # 930-ADB)

Positive Control: Recombinant Human TNF-alpha (rhTNF-alpha) (Catalog # 210-TA)

Goat Anti-Human TNF alpha Biotinylated Antigen Affinity-purified Polyclonal Antibody (Catalog # BAF210)

SDS-PAGE followed by Western Blotting

- 1) Dilute rhPro-TNF-alpha to 0.2 mg/mL in Assay Buffer.
- 2) Dilute rhTACE to 0.2 mg/mL in Assay Buffer.
- 3) Prepare the following vials for a final volume of 20 uL.
 - a) 10 uL of rhPro-TNF-alpha at 0.2 mg/mL + 10 uL of rhTACE at 0.2 mg/mL
 - b) 10 uL of rhPro-TNF-alpha at 0.2 mg/mL + 10 uL of Assay Buffer (control-with incubation)
 - c) 10 uL of rhPro-TNF-alpha at 0.2 mg/mL + 10 uL of Assay Buffer (control-without incubation)

Note: At this point the concentration of rhPro-TNF-alpha in the reaction tubes is 0.1 mg/mL.
- 4) Incubate vials at 37 degrees C overnight (except for the non-incubated control, store at less than or equal to 20 degrees C).
- 5) Stop the reactions by adding the reducing gel loading buffer for SDS-PAGE to all vials. Heat the samples at 100 degrees C for 3-5 minutes.
 - a) Dilute the reaction tubes (and control without incubation) to 50 ng/15 uL in reducing sample buffer.
- 6) Prepare a sample of Positive Control at 5 ng/15 uL in reducing sample buffer. Heat the sample at 100 degrees C for 3-5 minutes.
- 7) Load the samples on a 15% gel.
 - a) 50 ng/lane (15 uL) of rhPro-TNF-alpha of the incubated reactions (including the control with incubation).
 - b) 50 ng/lane (15 uL) of rhPro-TNF-alpha of the control (without incubation).
 - c) 5 ng/lane (15 uL) of Positive Control (Catalog # 210-TA).
- 8) Follow SDS-PAGE/Western Blotting procedures.
 - a) Use the Biotinylated Anti-human TNF-alpha /TNFSF1A antibody at 0.1 ug/mL. (Catalog # AF-210-NA may be used in place of # BAF210.)
- 9) Visually determine processing of rhPro-TNF-alpha to the mature form by rhTACE by comparing the incubated reactions to the Positive Control.



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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