

Product Datasheet

ARNT/HIF-1 beta Antibody (H1beta234) - Azide and BSA Free NBP2-80582

Unit Size: 0.1 ml

Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.

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NBP2-80582

ARNT/HIF-1 beta Antibody (H1beta234) - Azide and BSA Free

Product Information	
Unit Size	0.1 ml
Concentration	1 mg/ml
Storage	Aliquot and store at -20C or -80C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	H1beta234
Preservative	No Preservative
Isotype	IgG1 Kappa
Purity	Protein G purified
Buffer	PBS
Target Molecular Weight	86.6 kDa

Product Description	
Description	Novus Biologicals Mouse ARNT/HIF-1 beta Antibody (H1beta234) - Azide and BSA Free (NB100-124) is a monoclonal antibody validated for use in IHC, WB, ICC/IF, IP and ChIP. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Mouse
Gene ID	405
Gene Symbol	ARNT
Species	Human, Mouse, Rat, Bovine, Ferret, Primate, Sheep
Immunogen	ARNT/HIF-1 beta Antibody (H1beta234) was developed against a fusion protein containing amino acids 496-789 of human HIF-1 beta. [Uniprot: P27540]

Product Application Details	
Applications	Western Blot, Immunohistochemistry-Paraffin, Gel Super Shift Assays, Immunoblotting, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunoprecipitation, Chromatin Immunoprecipitation (ChIP)
Recommended Dilutions	Western Blot 1:500 - 1:2000, Immunohistochemistry 1:100, Immunocytochemistry/ Immunofluorescence reported in scientific literature (PMID 25343232), Immunoprecipitation, Immunohistochemistry-Paraffin 1:100, Immunoblotting 1:100 - 1:2000, Gel Super Shift Assays reported in scientific literature (PMID 11325839), Chromatin Immunoprecipitation (ChIP) 1:10-1:500
Application Notes	In Western blot, a band at approximately 92 kDa is seen.

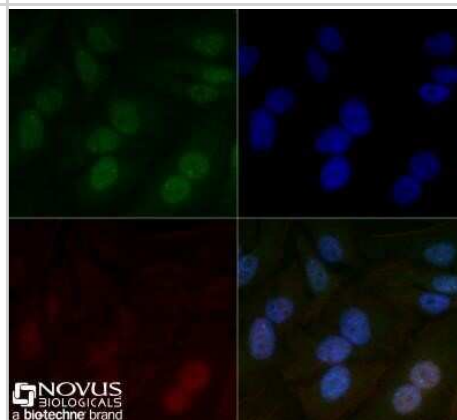


Images

Western Blot: ARNT/HIF-1 beta Antibody (H1beta234) - Azide and BSA Free [NBP2-80582] - HIF was not the only factor stabilizing activated EGFR in VHL-deficient ccRCC cells. A. Western blot analysis of 786-VHL and 786-mock cells stably expressing shRNA constructs. For HIF2A (NB100-480) and ARNT/HIF-1 beta antibody (H1beta234) [NB100-124] analysis, nuclear extracts were generated and analyzed. Anti-HA blot detected HA-VHL. Means and SDs of three separate experiments were shown. Theoretical molecular weight for ARNT/HIF-1 beta antibody (H1beta234) is 86.6 kDa. Observed molecular weight ~ 90 kDa. Image collected and cropped by CiteAb from the following publication ([//dx.plos.org/10.1371/journal.pone.0023936](https://dx.plos.org/10.1371/journal.pone.0023936)) licensed under a CC-BY license. Image from the standard format of this antibody.



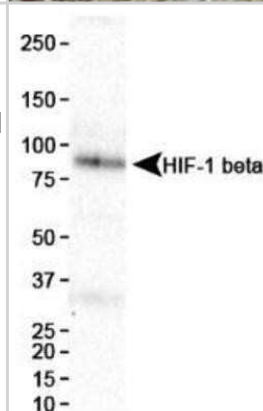
Immunocytochemistry/Immunofluorescence: ARNT/HIF-1 beta Antibody (H1beta234) - Azide and BSA Free [NBP2-80582] - HeLa cells were fixed for 10 minutes using 10% formalin and then permeabilized for 5 minutes using 1X TBS + 0.5% Triton X-100. The cells were incubated with ARNT/HIF-1 beta antibody (H1beta234) at 5 ug/mL overnight at 4C and detected with an anti-mouse DyLight 488 (Green) at a 1:500 dilution. Actin was detected with Phalloidin 568 (Red) at a 1:200 dilution. Nuclei were counterstained with DAPI (Blue). Cells were imaged using a 40X objective. Image from the standard format of this antibody.



Immunohistochemistry: ARNT/HIF-1 beta Antibody (H1beta234) - Azide and BSA Free [NBP2-80582] - Staining of human glioblastoma multi-forme utilizing ARNT/HIF-1 beta antibody (H1beta234). Image from the standard format of this antibody.

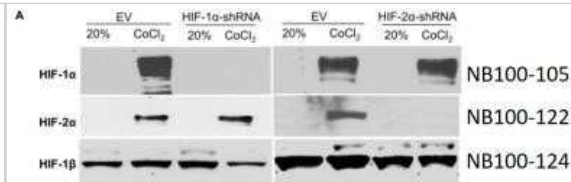


Western Blot: ARNT/HIF-1 beta Antibody (H1beta234) - Azide and BSA Free [NBP2-80582] - Analysis of HIF-1 beta using ARNT/HIF-1 beta antibody (H1beta234) in HeLa nuclear extract. Image from the standard format of this antibody. Theoretical molecular weight 86.6 kDa. Observed molecular weight ~85 kDa.



Western Blot: ARNT/HIF-1 beta Antibody (H1beta234) - Azide and BSA Free [NBP2-80582] - Western Blot analysis using ARNT/HIF-1 beta antibody (H1beta234), theoretical molecular weight 86.6 kDa.

Expression of CD44 mRNA in genetically engineered MDA-MB-231 cells. (A) Immunoblot analysis of HIF-1A or HIF-2A expression in whole cell extracts from MDA-MB-231 cells stably expressing EV, HIF-1A-shRNA or HIF-2A-shRNA under normoxia or in response to 4 h treatment with 200 uM CoCl₂. HIF-1B expression was used as a loading control. Image collected and cropped by CiteAb from the following publication ([//dx.plos.org/10.1371/journal.pone.0044078](https://doi.org/10.1371/journal.pone.0044078)) licensed under a CC-BY license. Image from the standard format of this antibody.



Immunocytochemistry/Immunofluorescence: ARNT/HIF-1 beta Antibody (H1beta234) - Azide and BSA Free [NBP2-80582] - Co-localization of HIF-2alpha with HIF-1beta. ICC/IF detecting indicated proteins using Abs labelled with AF 555 (red, pseudocolour) and AF 488 (green, pseudocolour). 'Merge': the red image superimposed onto the green image of the co-stained nuclear proteins. 'Coloc': the co-localization channel calculated using ImageJ plugin. White indicates pixels where both red and green signal is found (i.e. co-localization). 'Overlay': the co-localization image superimposed onto the merged image. Inlay is the magnified region (white square). White arrows highlight regions of co-localization. Scale bar, 5um. Abbreviations: RNAPII, RNA Polymerase II phospho-serine 5. Image collected and cropped by CiteAb from the following publication

(<https://rsob.royalsocietypublishing.org/lookup/doi/10.1098/rsob.160195>), licensed under a CC-BY license. Image from the standard format of this antibody.





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NBP3-11855	NIH 3T3 CoCl ₂ treated/Untreated Cell Lysate
NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB7539	Goat anti-Mouse IgG (H+L) Secondary Antibody [HRP]
NBP1-43319-0.5mg	Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1)

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.

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