

Product Datasheet

AHR Antibody (RPT1) NB300-530

Unit Size: 100uL

Store at -20C. Avoid freeze-thaw cycles.

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NB300-530

AHR Antibody (RPT1)

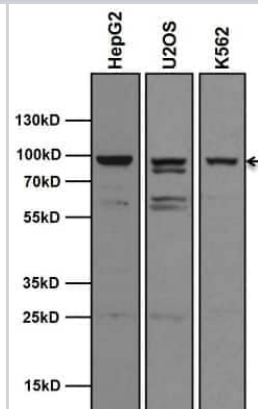
Product Information	
Unit Size	100uL
Concentration	1 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	RPT1
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein G purified
Buffer	PBS, 1mg/mL BSA

Product Description	
Host	Mouse
Gene ID	196
Gene Symbol	AHR
Species	Human, Mouse, Rat
Specificity/Sensitivity	Detects the aryl hydrocarbon receptor (AhR).
Immunogen	Synthetic peptide corresponding to residues R(12) K R R K P(17) V(22) K P I P A E G I K(31) of human AhR.

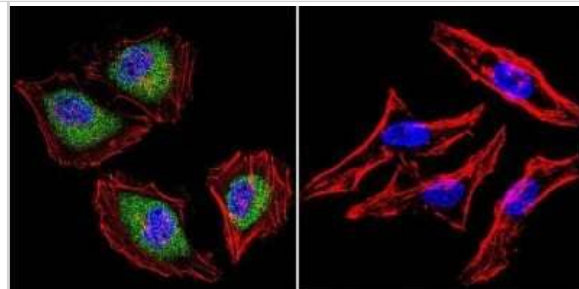
Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Paraffin, Immunoprecipitation
Recommended Dilutions	Western Blot 1:500 - 1:2000, Immunohistochemistry 1:10 - 1:100, Immunocytochemistry/ Immunofluorescence 1:100 - 1:1000, Immunoprecipitation 1:10 - 1:500, Immunohistochemistry-Paraffin 1:10 - 1:100
Application Notes	WB: Detects an approx. 95 kDa protein representing AhR from Hepa 1 cytosol. Although ab2770 can be used in IP procedures, clone RPT9 is recommended for this procedure.

Images

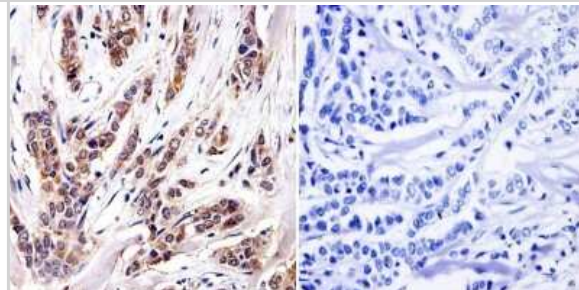
Western Blot: AHR Antibody (RPT1) [NB300-530] - Analysis of 20ug of HepG2, U2OS, and K562 whole cell lysates and 5uL of PageRuler Plus Prestained Protein Ladder per well.



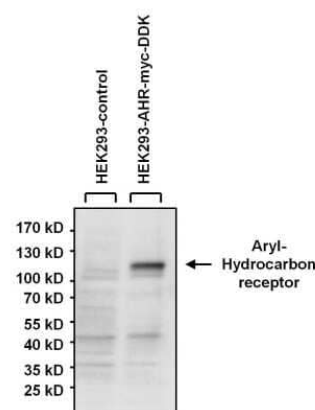
Immunocytochemistry/Immunofluorescence: AHR Antibody (RPT1) [NB300-530] - Analysis of Aryl Hydrocarbon Receptor in HeLa cells. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with a Aryl Hydrocarbon Receptor monoclonal antibody at a dilution of 1:200 overnight at 4C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody. Aryl Hydrocarbon Receptor staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown.



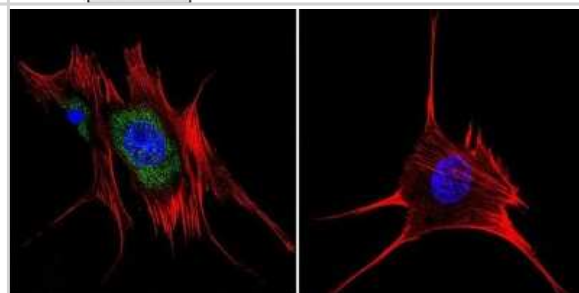
Immunohistochemistry-Paraffin: AHR Antibody (RPT1) [NB300-530] - Cancer biopsies of deparaffinized Human breast carcinoma tissue at a dilution of 1:100.



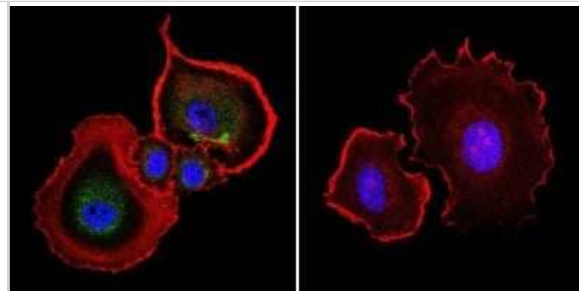
Western Blot: AHR Antibody (RPT1) [NB300-530] - Proteins were transferred to a PVDF membrane and blocked with 5% BSA/TBST for at least 1 hour. The membrane was probed with an Aryl Hydrocarbon Receptor monoclonal antibody at a dilution of 1:1000 overnight at 4C on a rocking platform, washed in TBS-0.1% Tween-20, and probed with a goat anti-mouse IgG-HRP secondary antibody at a dilution of 1:20,000 for 1 hour.



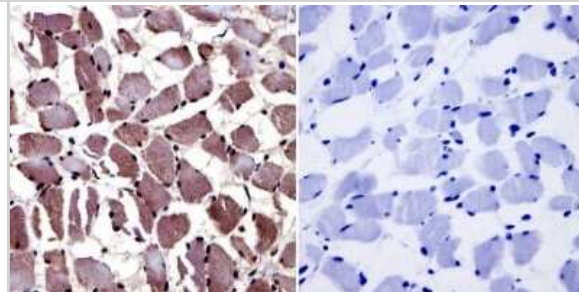
Immunocytochemistry/Immunofluorescence: AHR Antibody (RPT1) [NB300-530] - Analysis of Aryl Hydrocarbon Receptor in NIH-3T3 cells. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with a Aryl Hydrocarbon Receptor monoclonal antibody at a dilution of 1:200 overnight at 4C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody. Aryl Hydrocarbon Receptor staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown.



Immunocytochemistry/Immunofluorescence: AHR Antibody (RPT1) [NB300-530] - Analysis of Aryl Hydrocarbon Receptor in MCF-7 cells. Cells were grown on chamber slides and fixed with formaldehyde prior to staining. Cells were probed without (control) or with a Aryl Hydrocarbon Receptor monoclonal antibody at a dilution of 1:100 overnight at 4C, washed with PBS and incubated with a DyLight-488 conjugated secondary antibody. Aryl Hydrocarbon Receptor staining (green), F-Actin staining with Phalloidin (red) and nuclei with DAPI (blue) is shown.



Immunohistochemistry-Paraffin: AHR Antibody (RPT1) [NB300-530] - Normal biopsies of deparaffinized Human skeletal muscle tissue at a dilution of 1:20.



Publications

Terzuoli Erika, Puppo Maura, Rapisarda Annamaria et al. Aminoflavone, a ligand of the aryl hydrocarbon receptor, inhibits HIF-1alpha expression in an AhR-independent fashion. *Cancer Res* 2010-01-01 [PMID: 20736373] (WB, Mouse)

Formosa R, Borg J, Vassallo J. Aryl hydrocarbon receptor (AHR) is a potential tumour suppressor in Pituitary Adenomas. *Endocr. Relat. Cancer*. 2017-06-25 [PMID: 28649092] (WB, Rat)



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Products Related to NB300-530

NBL1-07403	AHR Overexpression Lysate
HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)

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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