

# Product Datasheet

## Polynuclear Aromatic Hydrocarbons Antibody (BAP-13) NB500-479

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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**NB500-479****Polynuclear Aromatic Hydrocarbons Antibody (BAP-13)**

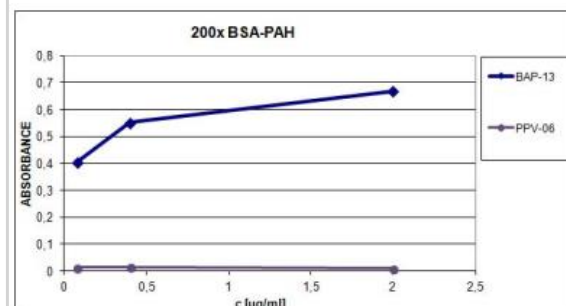
<b>Product Information</b>	
<b>Unit Size</b>	0.1 mg
<b>Concentration</b>	1 mg/ml
<b>Storage</b>	Store at 4C. Do not freeze.
<b>Clonality</b>	Monoclonal
<b>Clone</b>	BAP-13
<b>Preservative</b>	15mM Sodium Azide
<b>Isotype</b>	IgG1
<b>Purity</b>	Multi-step
<b>Buffer</b>	PBS (pH 7.4)

<b>Product Description</b>	
<b>Host</b>	Mouse
<b>Species</b>	Non-species specific
<b>Specificity/Sensitivity</b>	The antibody BAP-13 is specific for Polynuclear Aromatic Hydrocarbons. The antibody BAP-13 inhibits DNA adduct formation (this ability was investigated in rat liver microsomes spiked with calf thymus DNA and 7,8-diol-B[a]P).
<b>Immunogen</b>	Benzo[a]pyrenyl-1-butyric acid conjugated to BSA.

<b>Product Application Details</b>	
<b>Applications</b>	ELISA, Immunocytochemistry/Immunofluorescence
<b>Recommended Dilutions</b>	ELISA 1:2000, Immunocytochemistry/Immunofluorescence 1:10-1:2000
<b>Application Notes</b>	Purity is > 95% (by SDS-PAGE). This antibody inhibits DNA adduct formation (this ability was investigated in rat liver microsomes spiked with calf thymus DNA and 7,8-diol-B[a]P).

**Images**

ELISA: Polynuclear Aromatic Hydrocarbons Antibody (BAP-13) [NB500-479] - ELISA detection of benzo(a)pyrene using mouse monoclonal antibody BAP-13, compared with isotype control antibody PPV-06.



## Publications

Suchanek M, Scharnweber T, Fisher M et al. Monoclonal antibodies specific to polynuclear aromatic hydrocarbons. *Folia Biol (Praha)*;47(3):106-7. 2001 [PMID: 11409316]

De Buck SS, Bouche FB, Brandenburger A, Muller CP. Modulation of the metabolism and adverse effects of benzo [a]pyrene by a specific antibody: a novel host factor in environmental carcinogenesis? . *Carcinogenesis*;26(4):835-44. 2005 Apr. [PMID: 15637092]

Scharnweber T, Fisher M, Suchanek M et al. Monoclonal antibody to polycyclic aromatic hydrocarbons based on a new benzo[a]pyrene immunogen. *Fresenius J Anal Chem*;371(5):578-85. 2001 Nov. [PMID: 11767882]





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### Products Related to NB500-479

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HAF007	Goat anti-Mouse IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB720-B	Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin]
NBP1-97005-0.5mg	Mouse IgG1 Isotype Control (MG1)
NB500-479UV	Polynuclear Aromatic Hydrocarbons Antibody (BAP-13) [DyLight 350]

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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.

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