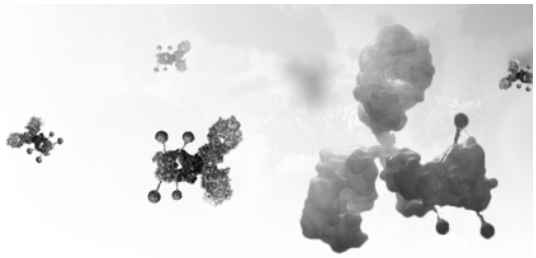

Mouse anti-Benzo[a]pyrene monoclonal antibody, clone CBQ-24 (CABT-B9105)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	The antibody is specific for Polynuclear Aromatic Hydrocarbons. The 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).
Immunogen	Benzo[a]pyrenyl-1-butyric acid conjugated to BSA.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	N/A
Clone	CBQ-24
Purification	Purified by precipitation and chromatography
Conjugate	Unconjugated
Applications	ICC, ELISA
Format	Liquid
Size	100 µg
Buffer	Phosphate buffered saline (PBS) with 15 mM sodium azide, approx. pH 7.4
Preservative	15mM Sodium Azide
Storage	Store at 2-8°C. Do not freeze. Do not use after expiration date stamped on vial label.

BACKGROUND

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Introduction	Benzo[a]pyrene, also known as 3, 4-Benzopyrene or 3, 4-BP, is classified as a member of the Benzopyrenes. Benzopyrenes are organic compounds containing a benzene fused to a pyrene(benzo[def]phenanthrene) ring system. Benzo[a]pyrene is formally rated as a carcinogenic (IARC 1) potentially toxic compound. 3 4-Benzpyrene is a crystalline, aromatic hydrocarbon consisting of five fused benzene rings and formed during the incomplete combustion of organic matter. 3, 4-Benzpyrene is primarily found in gasoline and diesel exhaust, cigarette smoke, coal tar and coal tar pitch, charcoal-broiled foods and certain other foods, amino acids, fatty acids and carbohydrate pyrolysis products, soot smoke, creosote oil, petroleum asphalt and shale oils. This substance is used only for research purposes. 3, 4-Benzpyrene is reasonably anticipated to be a human carcinogen.
Keywords	3,4-Benzpyren; 3,4-BP; BP; coaltarpitchvolatiles:benzo(a)pyrene; Rcra waste number U022; 3, 4-Benzypyrene; 3,4-BENZPYRENE; 3,4-BENZOPYRENE; 6,7-BENZOPYRENE; BACTERIAL PHOSPHATASE, ALKALINE; BACTERIAL ALKALINE PHOSPHATASE; BAP; BENZ[A]PYRENE; BENZO(DEF)CHR

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