### BACKGROUND
Polynuclear aromatic hydrocarbons or polycyclic aromatic hydrocarbons (PAHs) contain multiple benzene rings. They are generally found as components of fuels, oils and greases. Benzo[a]pyrene is a five-ring polycyclic aromatic hydrocarbon that is mutagenic and highly carcinogenic. It is a crystalline yellow solid. It is a product of incomplete combustion at temperatures between 300 and 600°C. It is found in coal tar, in automobile exhaust fumes (especially from diesel engines), tobacco smoke and in charbroiled food.

### REFERENCES

### SOURCE
Benzo[a]pyrene (BAP-13) is a mouse monoclonal antibody raised against Benzo[a]pyrenyl-1-butyric acid conjugated to BSA.

### PRODUCT
Each vial contains 100 µg IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

### APPLICATIONS
Benzo[a]pyrene (BAP-13) is recommended for detection of DNA and protein adducts of Benzo[a]pyrene by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

### SELECT PRODUCT CITATIONS

### STORAGE
Store at 4°C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

### RESEARCH USE
For research use only, not for use in diagnostic procedures.

### PROTOCOLS
See our web site at www.scbt.com for detailed protocols and support products.