Advanced Targeting Systems

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FITC-labeled Antibody to Saporin
GOAT POLYCLONAL

Catalog Number: AB-15AP-FL
Quantity: 50 micrograms
Format: 50% PBS (0.14 M Sodium Chloride; 0.003 M Potassium Chloride; 0.002 M Potassium Phosphate; 0.01 M Sodium Phosphate; pH 7.4), 50% glycerol; no preservative.
Host: Goat
Isotype: IgG

Background: FITC-labeled Anti-SAP can be used to verify binding specificity of a targeted toxin to a cell line expressing the target molecule. By first binding the targeted toxin to fixed cells, then binding FITC-labeled Anti-SAP to the targeted toxin, specificity can be confirmed through the use of competing molecules or a control cell line.

Specificity & Preparation: Saporin was used as the immunogen. The antibody was affinity-purified against saporin attached to a CnBr-Sepharose support column. The affinity-purified polyclonal antiserum was conjugated to FITC (5-iodoacetamidofluorescein) using SPDP. The conjugate binds native and recombinant saporin.

Usage: Applications include flow cytometry (ATS in-house; 2 μg/10^6 cells per 200 μl).[1]

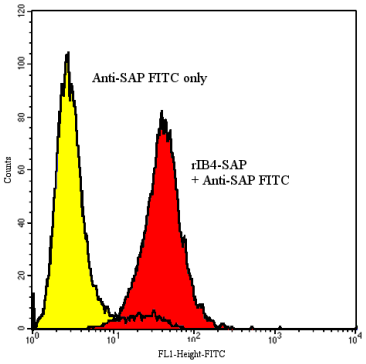
Storage: Gently spin down material 5-10 seconds in a microfuge before use. The material can be handled safely using normal laboratory precautions. Store the antibody at -20°C for up to one year.

Scan to view all product references.

Selected References:

1. Gerashchenko D, Kohls MD, Greco M, Waleh NS, Salin-Pascual R, Kilduff TS,Lappi DA, Shiromani PJ (2001) Hypocretin-2-saporin lesions of the lateral hypothalamus produce narcoleptic-like sleep behavior in the rat. *J Neurosci* 21(18):7273-83.

To view protocol(s) for this and other products please visit: www.ATSbio.com/library/protocols



KNRK cells, normal kidney cells derived from rat, were first labeled with 4 ug of rIB4-SAP (Cat. #IT-10) for 1 hr at 4°C. Cells were washed and subsequently labeled with 2 ug of Anti-SAP-FITC (Cat. #FL-02, lot #132-82) for 0.5 hr at 4°C. Cells were again washed and then analyzed for fluorescent expression (CytoLogistics, San Diego, Ca).