Targeting Tools: Featured Antibodies

Anti-6-His Mouse Monoclonal, Cat. #AB-20

The use of polyhistidine tags has become a popular method for protein purification, commonly used in the screening process as a tag for your protein or peptide of interest. Whether the material you are screening for is affinity purified or in crude bacterial extract, you will find our antibody suitable to your needs.

This antibody was created as a mouse monoclonal generated to recognize a 6 Histidine (6-His) amino acid sequence, independent of its location. It will recognize C-terminal, N-terminal, or internal 6-His epitopes, with very high sensitivity and low background (Fig. 1).

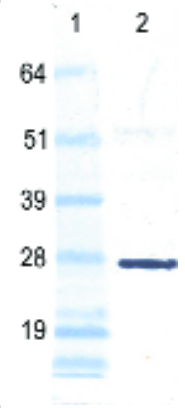

Figure 1: Anti-6-His

Lane 1: Molecular weight standards (See-Blue)

Lane 2: Crude bacterial extract containing a 6-His-tag expressing protein probed with Anti-6-His antibody at a 1:5,000 dilution. Band of interest is visualized at 25-28 kDa.

Gangsta breaks into the catnip.

"Who says you can have too much of a good thing?!"

Please visit our website (www.ATSbio.com) to see a complete list of products.

HRP-labeled Saporin Goat Polyclonal, Cat. #AB-15HRP

HRP-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 protein extract or plate-bound antigen, then binding HRP-labeled Anti-SAP to the targeted toxin, specificity can be confirmed through the use of competing molecules or a control cell line.

This antibody recognizes saporin. Saporin was used as the immunogen. The antibody was coupled to Horseradish Peroxidase (HRP) and dialyzed against PBS.

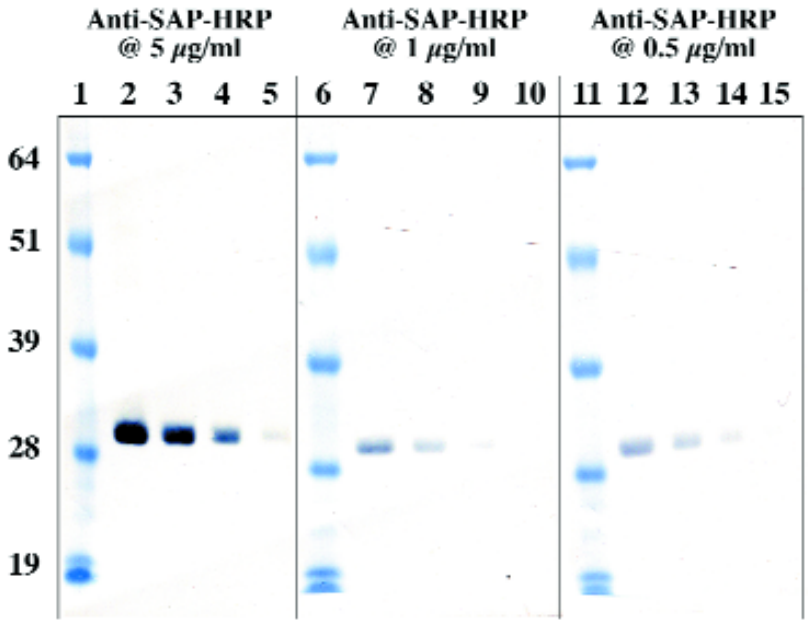

Figure 2: Anti-SAP-HRP

Saporin (200, 100, 50, and 25 ng) was run on a 10% SDS-PAGE gel and transferred to PVDF membrane. The blot was blocked with 4% NFM/TBS, then incubated overnight with 0.5 µg/ml (Lanes 11-15), 1 µg/ml (Lanes 6-10), or 5 µg/ml (Lanes 1-5) of antibody. The blot was washed and developed with 4-chloro-1-naphthol and hydrogen peroxide.

Lane 1, 6, 11: Molecular weight standards (Invitrogen See-Blue)
Lane 2, 7, 12: 200 ng Saporin
Lane 3, 8, 13: 100 ng Saporin
Lane 4, 9, 14: 50 ng Saporin
Lane 5, 10, 15: 25 ng Saporin