

Technical Data Sheet

Purified mouse anti-gp130 (pS782) monoclonal antibody**Product Information**

Catalog Number: **558096, 0.1 mg**
 Clone: 6a/gp130 (pS782)
 Isotype: Mouse IgG_{2b}, kappa
 Storage Buffer: Aqueous buffer with 50% glycerol, 0.09% sodium azide and 1mg/ml BSA*.
 *Source of all serum proteins is from USDA inspected abattoirs located in the United States.

Description

Leukemia Inhibitory Factor (LIF) signals through a heterodimeric receptor complex consisting of LIFR and gp130. LIF-stimulated dimerization of LIFR and gp130 results in signal transduction through the Jak/Tyk family of nonreceptor protein tyrosine kinases. Serine 782 is the major site for gp130 phosphorylation and this phosphorylation is involved in the regulation of the cell surface expression of the receptor polypeptide.

Specificity and Preparation

The antibody recognizes the 130 kDa band in western blot application. The antibody was tested by western blot on NIH 3T3 cells treated with Calyculin A and Okadaic acid.

Usage and Storage

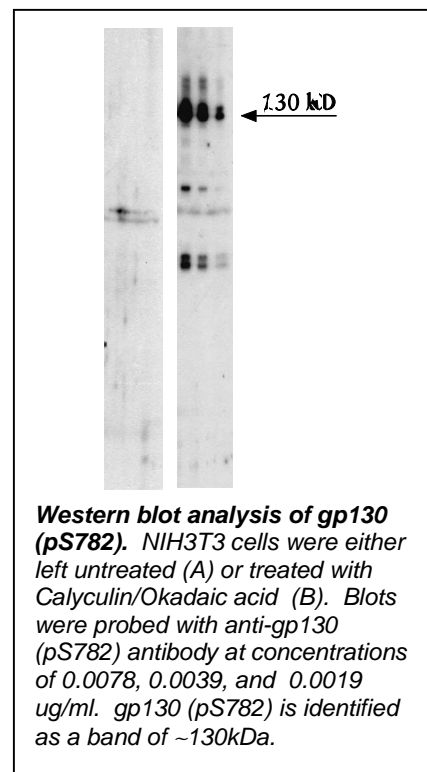
Applications include western blot analysis (0.0078–0.0019 µg/ml). Store the antibody at -20°C.

This antibody has been developed for the application listed above. Researchers should determine the optimal concentration of this reagent for their individual applications.

References

- Gibson RM, Schiemann WP, Prichard LB, Reno JM, Ericsson LH, Nathanson NM. Phosphorylation of human gp130 at Ser-782 adjacent to the Di-leucine internalization motif. Effects on expression and signaling. *J Biol Chem.* 2000 Jul 21;275(29):22574-82.

Caution: Sodium azide yields highly toxic hydrazoic acid under acidic conditions. Dilute azide compounds in running water before discarding to avoid accumulation of potentially explosive deposits in plumbing.

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