Human/Mouse ING1 Antibody

Monoclonal Mouse IgG_1 Clone # 585915

Catalog Number: MAB5758

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse ING1 in Western blot.
Source	Monoclonal Mouse IgG_1 Clone # 585915
Purification	Protein A or G purified from ascites
Immunogen	*E. coli*-derived recombinant human ING1 Arg70-Ala184 Accession # Q9UK53
Formulation	Lyophilized from a 0.2 μm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 μm filtered solution in PBS.

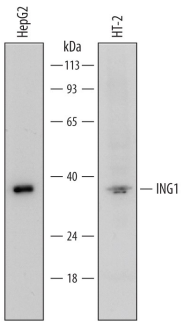
APPLICATIONS

Please Note: *Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.*

	Recommended Concentration	Sample
Western Blot	1 µg/mL	See Below

DATA

Western Blot



Detection of Human and Mouse ING1 by Western Blot. Western blot shows lysates of HepG2 human hepatocellular carcinoma cell line and HT-2 mouse T cell line. PVDF membrane was probed with 1 µg/mL of Mouse Anti-Human/Mouse ING1 Monoclonal Antibody (Catalog # MAB5758) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for ING1 at approximately 35 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 2.

PREPARATION AND STORAGE

Reconstitution	Sterile PBS to a final concentration of 0.5 mg/mL.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	**Use a manual defrost freezer and avoid repeated freeze-thaw cycles.** ● 12 months from date of receipt, -20 to -70 °C as supplied. ● 1 month, 2 to 8 °C under sterile conditions after reconstitution. ● 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

ING1 (inhibitor of growth-1) is a member of the ING family of tumor suppressive and apoptosis-promoting epigenetic regulators of chromatin structure. They interact with and alter the ratio of pro- and anti-apoptotic Bcl-2 family members. The p53 tumor suppressor and its downstream targets can potentiate ING1-induced apoptosis. Human isoforms p33ING1, p24ING1c, p33ING1b and p47ING1a vary in N-terminal sequence, resulting in 279, 210, 235 and 422 aa proteins, respectively. The sequence used as an immunogen is common to all isoforms, and shares 83% and 81% amino acid (aa) identity with mouse and rat ING1, respectively.

bio-techne®
Global bio-techne.com info@bio-techne.com techsupport@bio-techne.com TEL +1 612 379 2956
USA TEL 800 343 7475 Canada TEL 855 668 8722 China TEL +86 (21) 52380373
Europe | Middle East | Africa TEL +44 (0)1235 529449