Human FRA-1 Antibody

Monoclonal Mouse IgG_{2B} Clone # 496106

Catalog Number: MAB4935

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human FRA-1 in direct ELISAs and Western blots. In direct ELISAs, no cross-reactivity with recombinant human FRA-2 is observed.
Source	Monoclonal Mouse IgG_{2B} Clone # 496106
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombiant human FRA-1 Gly146-Ala247 Accession # P15407
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 as a 0.2 μm filtered solution in PBS.

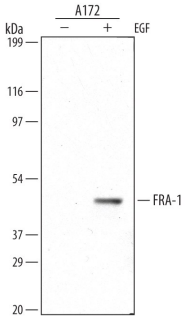
APPLICATIONS

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 FRA-1 by Western Blot. Western blot shows lysates of A172 human glioblastoma cell line untreated (-) or treated (+) with 100 ng/mL Recombinant Human EGF (Catalog # 236-EG) for 18 hours. PVDF Membrane was probed with 1 µg/mL of Human FRA-1 Monoclonal Antibody (Catalog # MAB4935) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF007). A specific band was detected for FRA-1 at approximately 45 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.5 mg/mL in sterile PBS.
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

FRA-1 (FOSL1) is a 271 amino acid member of the leucine zipper Fos family of transcription factors. Fos family members have been associated with cellular proliferation, differentiation and transformation. In accordance with these findings, overexpression of FRA-1 correlates with a malignant phenotype in breast cancer. In lung epithelia cells, FRA-1 promotes motility, invasion, and anchorage independent growth. FRA-1 knock out mice rescued for the FRA-1 placental defect are viable but show reduced bone formation that may be due to a defect in the osteoblast differentiation. Human FRA-1 and mouse FRA-1 are 94% identical between amino acids 146-247.

bio-techne
bio-techne.com
Global info@bio-techne.com techsupport@bio-techne.com
North America TEL 800 343 7475 Europe | Middle East | Africa TEL +44 (0)1235 529449
China info.cn@bio-techne.com TEL +86 (21) 52380373
Rest of World bio-techne.com/find-us/distributors TEL +1 612 379 2956