

DESCRIPTION

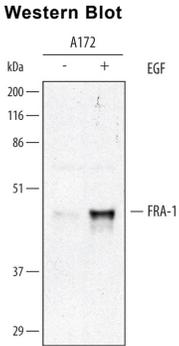
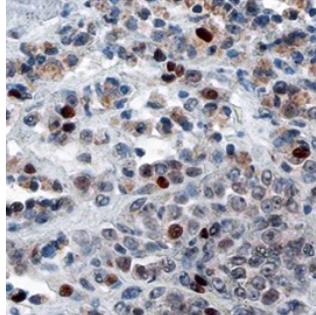
Species Reactivity	Human
Specificity	Detects human and mouse FRA-1 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human FRA-1 Gly146-Ala247 Accession # P15407
Formulation	Lyophilized from a 0.2 µm filtered solution in 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	0.2 µg/mL	See Below
Immunohistochemistry	5-15 µg/mL	See Below

DATA

<p>Western Blot</p>  <p>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 0.2 µg/mL of Goat Anti-Human FRA-1 Polyclonal Antibody (Catalog # AF4935), followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). 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.</p>	<p>Immunohistochemistry</p>  <p>FRA-1 in Human Melanoma. FRA-1 was detected in immersion fixed paraffin-embedded sections of human melanoma using Goat Anti-Human FRA-1 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF4935) at 3 µg/mL overnight at 4 °C. Before incubation with the primary antibody, tissue was subjected to heat-induced epitope retrieval using Antigen Retrieval Reagent-Basic (Catalog # CTS013). Tissue was stained using the Anti-Goat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS008) and counterstained with hematoxylin (blue). Specific staining was localized to nuclei. View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.</p>
---	---

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 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. <ul style="list-style-type: none"> ● 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 is a 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.