Human/Mouse NGFRAP1/BEX3 Antibody

Monoclonal Mouse IgG_{2B} Clone # 672911

Catalog Number: MAB6858

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human NGFRAP1/BEX3 in direct ELISAs.
Source	Monoclonal Mouse IgG_{2B} Clone # 672911
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E. coli*-derived recombinant human NGFRAP1/BEX3 Met1-Pro111 Accession # Q00994
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.

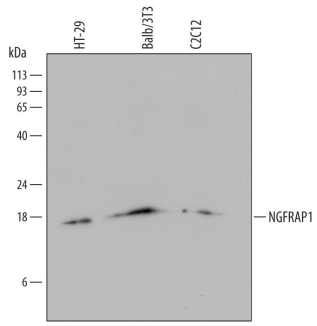
APPLICATIONS

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
Immunohistochemistry	8-25 µg/mL	See Below

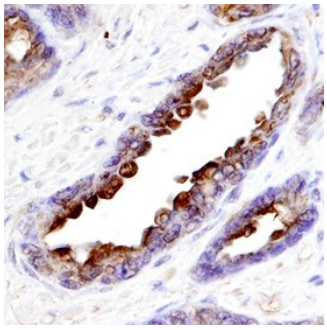
DATA

Western Blot



Detection of Human and Mouse NGFRAP1/BEX3 by Western Blot. Western blot shows lysates of HT-29 human colon adenocarcinoma cell line, Balb/3T3 mouse embryonic fibroblast cell line, and C2C12 mouse myoblast cell line. PVDF membrane was probed with 1 µg/mL of Mouse Anti-Human NGFRAP1/BEX3 Monoclonal Antibody (Catalog # MAB6858) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # Catalog # HAF007). A specific band was detected for NGFRAP1/BEX3 at approximately 15 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Immunohistochemistry



NGFRAP1/BEX3 in Human Prostate. NGFRAP1/BEX3 was detected in immersion fixed paraffin-embedded sections of human prostate using Mouse Anti-Human NGFRAP1/BEX3 Monoclonal Antibody (Catalog # MAB6858) at 15 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 # Catalog # CTS013). Tissue was stained using the Anti-Mouse HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # Catalog # CTS002) and counterstained with hematoxylin (blue). Specific staining was localized to epithelial cells. View our protocol for Chromogenic IHC Staining of Paraffin-embedded Tissue Sections.

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

NGFRAP1 (nerve growth factor receptor associated protein 1), also called BEX3 (brain-expressed X-linked protein 3), NADE (p75NTR-associated death executor) or FAP-1 (Fas-associated phosphatase-1), is a 24 kDa member of the BEX protein family. A nuclear export signal (aa 77-87) allows NGFRAP1 to export bound p75NTR. It is widely expressed, but highest in ovarian granulosa cells, testis, prostate, seminal vesicle and liver. Except for a 13-19 amino acid (aa) rodent Arg/His region at aa 35 that is not found in humans, human NGFRAP1 shares 94% aa identity with mouse and rat NGFRAP1. In humans, a 101 aa isoform with an alternative start site at aa 11 has been described.

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