Human/Mouse/Rat EMAP-II Antibody

Monoclonal Mouse IgG_{2B} Clone # 959516

Catalog Number: MAB1910

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human EMAP-II in direct ELISAs.
Source	Monoclonal Mouse IgG_{2B} Clone # 959516
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	*E.coli*-derived recombinant human EMAP-II Ser147-Lys312 Accession # Q12904
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.

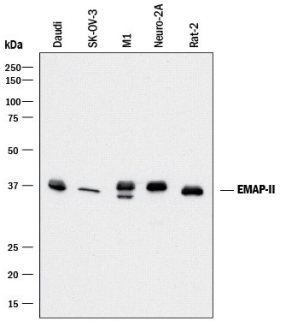
APPLICATIONS

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
Immunocytochemistry	8-25 µg/mL	See Below
Immunohistochemistry	5-25 µg/mL	See Below

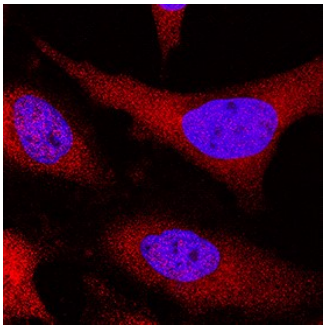
DATA

Western Blot



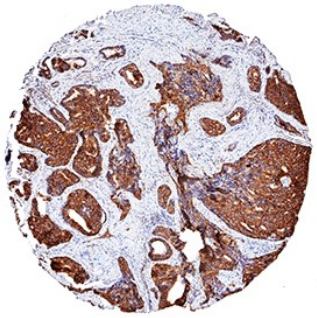
Detection of Human, Mouse, and Rat EMAP-II by Western Blot. Western blot shows lysates of Daudi human Burkitt's lymphoma cell line, SK-OV-3 human ovarian adenocarcinoma cell line, M1 mouse myeloid leukemia cell line, Neuro-2A mouse neuroblastoma cell line, and Rat-2 rat embryonic fibroblast cell line. PVDF membrane was probed with 1 µg/mL of Mouse Anti-Human/Mouse/Rat EMAP-II Monoclonal Antibody (Catalog # MAB1910) followed by HRP-conjugated Anti-Mouse IgG Secondary Antibody (Catalog # HAF018). A specific band was detected for EMAP-II at approximately 37 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Immunocytochemistry



EMAP-II in HeLa Human Cell Line. EMAP-II was detected in immersion fixed HeLa human cervical epithelial carcinoma cell line using Mouse Anti-Human/Mouse/Rat EMAP-II Monoclonal Antibody (Catalog # MAB1910) at 8 µg/mL for 3 hours at room temperature. Cells were stained using the NorthernLights™ 557-conjugated Anti-Mouse IgG Secondary Antibody (red; Catalog # NL007) and counterstained with DAPI (blue). Specific staining was localized to cytoplasm and nuclei. View our protocol for Fluorescent ICC Staining of Cells on Coverslips.

Immunohistochemistry



EMAP-II in Human Prostate Cancer Tissue. EMAP-II was detected in immersion fixed paraffin-embedded sections of human prostate cancer tissue using Mouse Anti-Human/Mouse/Rat EMAP-II Monoclonal Antibody (Catalog # MAB1910) at 5 µg/mL for 1 hour at room temperature followed by incubation with the Anti-Mouse IgG VisUCyte™ HRP Polymer Antibody (Catalog # VC001). Tissue was stained using DAB (brown) and counterstained with hematoxylin (blue). Specific staining was localized to cancer cells. View our protocol for IHC Staining with VisUCyte HRP Polymer Detection Reagents.

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.

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BACKGROUND

EMAP-II is a pro-inflammatory cytokine that is chemotactic for monocytes and granulocytes. It is a cleavage product of multisynthetase complex auxiliary component p43.

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