

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human and mouse EMAP-II in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -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	0.5 µg/mL	See Below
Immunohistochemistry	5-15 µg/mL	See Below
Simple Western	10 µg/mL	See Below

DATA

Western Blot

Detection of Human EMAP-II by Western Blot. Western blot shows lysates of HeLa human cervical epithelial carcinoma cell line and SK-OV-3 human ovarian adenocarcinoma cell line. PVDF membrane was probed with 0.5 µg/mL of Goat Anti-Human EMAP-II Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1910) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF017). A specific band was detected for EMAP-II at approximately 38 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 1.

Immunohistochemistry

EMAP-II in Human Colon Cancer Tissue. EMAP-II was detected in immersion fixed paraffin-embedded sections of human colon cancer tissue using Human EMAP-II Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1910) at 15 µg/mL overnight at 4 °C. Tissue was stained using the Anti-Goat HRP-DAB Cell & Tissue Staining Kit (brown; Catalog # CTS008) and counterstained with hematoxylin (blue). Specific labeling was localized to epithelial and endothelial cells. View our protocol for [Chromogenic IHC Staining of Paraffin-embedded Tissue Sections](#).

Simple Western

Detection of Human EMAP-II by Simple Western™. Simple Western lane view shows lysates of HeLa human cervical epithelial carcinoma cell line and OVCAR-3 human ovarian carcinoma cell line, loaded at 0.2 mg/mL. A specific band was detected for EMAP-II at approximately 45 kDa (as indicated) using 10 µg/mL of Goat Anti-Human EMAP-II Antigen Affinity-purified Polyclonal Antibody (Catalog # AF1910) followed by 1:50 dilution of HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF109). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.

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

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.

