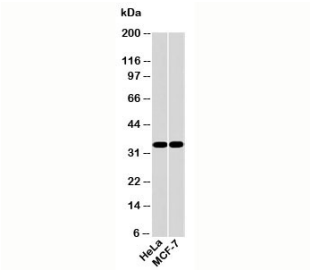
# EMAP II Antibody (N1155)

| Catalog No. | Formulation | Size |
|---|---|---|
| N1155-100UG | 0.5 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| N1155-25UG | 0.5 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 25 ug |

**Bulk quote request**

| | |
|---|---|
| **Species Reactivity** | Human, Mouse, Rat |
| **Format** | Purified |
| **Clonality** | Polyclonal (rabbit origin) |
| **Isotype** | Rabbit IgG |
| **Purity** | Protein A purified antibody |
| **Buffer** | 1X PBS, pH 7.4 |
| **UniProt** | Q12904 |
| **Gene ID** | 9255 |
| **Applications** | Western Blot : 2-5ug/ml |
| **Limitations** | This **EMAP II antibody** is available for research use only. |




Western blot testing of human samples with EMAP II antibody at 2ug/ml. Predicted molecular weight: ~34/37kDa (isoforms 1/2).

## Description

EMAP II (Endothelial monocyte-activating polypeptide 2) is a pro-inflammatory cytokine and participant in apoptotic cell death. It is synthesized as a precursor (pro-EMAP II), lacking a secretion signal peptide. In apoptotic cells, the ~34 kDa pro-form of EMAP II is cleaved by Caspase-7 (and Caspase-3 to a lesser extent) at aspartate 144 to its mature, ~20 kDa form. The mature form of EMAP II has been found to have many different functions. In vivo, it recruits leukocytes to the site of apoptotic cell death. In vitro it has been shown to activate endothelial cells (and the release of von Willebrand factor, E-selectin and P-selectin), neutrophils, and induces macrophage expression of TNFa and TF (tissue factor). EMAP II is also a possible biomarker for brain injury, having been found to be differentially expressed in two types: traumatic

injury shows an increase and ischemic injury shows a decrease in EMAP II expression (Dave, et al, 2014).

## Application Notes

Provided assay concentrations are suggestions only, antibody titration may be required for optimal results.

## Immunogen

A recombinant protein fragment from the C-terminal region of human EMAP II was used as the immunogen for this antibody.

## Storage

Aliquot the antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

## Alternate Names

Endothelial monocyte-activating polypeptide 2, ARS interacting multifunctional protein 1, AIMP1 antibody

References (3)