



#24164

Catalog Number: 24164-1, 24164-2

Amount: 50µg/50µl, 100µg/100µl

Swiss-Prot No. : Q12904

Form of Antibody: Rabbit IgG in phosphate buffered saline (without Mg²⁺ and Ca²⁺), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.

Storage/Stability: Store at -20°C/1 year

Immunogen: The antiserum was produced against synthesized peptide derived from Human AIMP1

Purification: The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.

Specificity/Sensitivity: AIMP1 antibody detects endogenous levels of total AIMP1 protein

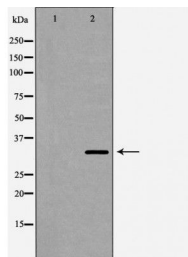
Reactivity: Human, Mouse, Rat

Applications:

Predicted MW: 34kd

WB: 1:500~1:2000

IHC: 1:50-200



Western blot analysis of extracts of various celllines, using AIMP1 antibody.

Background :

The protein encoded by this gene is a cytokine that is specifically induced by apoptosis, and it is involved in the control of angiogenesis, inflammation, and wound healing. The release of this cytokine renders the tumor-associated vasculature sensitive to tumor necrosis factor. The precursor protein is identical to the p43 subunit, which is associated with the multi-tRNA synthetase complex, and it modulates aminoacylation activity of tRNA synthetase in normal cells. This protein is also involved in the stimulation of inflammatory responses after proteolytic cleavage in tumor cells. Multiple transcript variants encoding different isoforms have been found for this gene. A pseudogene has been identified on chromosome 20.