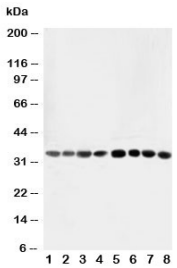
AIMP2 Antibody (R30553)

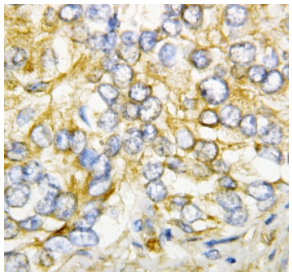
Catalog No.	Formulation	Size
R30553	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	Q13155
Applications	Western Blot : 0.5-1ug/ml IHC (FFPE) : 0.5-1ug/ml
Limitations	This AIMP2 antibody is available for research use only.



Western blot testing of AIMP2 antibody and Lane 1: rat liver; 2: rat lung; 3: rat kidney; 4: rat brain; 5: Jurkat; 6: CEM; 7: HUT; 8: U93T; 10: U93T cell lysate



IHC-P: AIMP2 antibody testing of human rectal cancer tissue

Description

Aminoacyl tRNA synthetase complex-interacting multifunctional protein 2 is an enzyme that in humans is encoded by the AIMP2 gene. The gene is located on chromosome 7p22 flanked by two genes, HRI and PMS2. AIMP2 and HRI overlap slightly and are arranged in a tail-to-tail fashion. AIMP2 and PMS2 are separated by approximately 200 base pairs and are arranged head-to-head. AIMP2 is a scaffold required for the assembly and stability of the multi-tRNA synthetase complex. It can work as a mediator of TGF-beta signaling and its functional importance in the control of MYC during lung differentiation.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the AIMP2 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

Amino acids 298-320 (NVQRWMRSCENLAPFNTALKLLK-human) were used as the immunogen for this AIMP2 antibody.

Storage

After reconstitution, the AIMP2 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.