

**KD-Validated Anti-Methionyl aminopeptidase 2 Rabbit Monoclonal Antibody**  
**Rabbit monoclonal antibody**  
**Catalog # AGI1257****Specification****KD-Validated Anti-Methionyl aminopeptidase 2 Rabbit Monoclonal Antibody - Product Information**

Application	WB, FC, ICC
Primary Accession	<a href="#">P50579</a>
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Isotype	Rabbit IgG
Calculated MW	Predicted, 53 kDa , observed, 67 kDa KDa
Gene Name	METAP2
Aliases	METAP2; Methionyl Aminopeptidase 2; MNPEP; MAP2; P67; Initiation Factor 2-Associated 67 KDa Glycoprotein; Methionine Aminopeptidase 2; Peptidase M; P67eIF2; Testicular Tissue Protein Li 17; EIF-2-Associated P67 Homolog; Peptidase M 2; EC 3.4.11.18; P67EIF2; MetAP 2; MAP 2
Immunogen	A synthesized peptide derived from human Methionine Aminopeptidase 2

**KD-Validated Anti-Methionyl aminopeptidase 2 Rabbit Monoclonal Antibody - Additional Information**

Gene ID	10988
<b>Other Names</b>	
Methionine aminopeptidase 2 {ECO:0000255 HAMAP-Rule:MF_03175}, MAP 2 {ECO:0000255 HAMAP-Rule:MF_03175}, MetAP 2 {ECO:0000255 HAMAP-Rule:MF_03175}, 3.4.11.18 {ECO:0000255 HAMAP-Rule:MF_03175}, Initiation factor 2-associated 67 kDa glycoprotein {ECO:0000255 HAMAP-Rule:MF_03175}, p67 {ECO:0000255 HAMAP-Rule:MF_03175}, p67eIF2 {ECO:0000255 HAMAP-Rule:MF_03175}, Peptidase M {ECO:0000255 HAMAP-Rule:MF_03175}, METAP2 {ECO:0000255 HAMAP-Rule:MF_03175}, MNPEP, P67EIF2	

**KD-Validated Anti-Methionyl aminopeptidase 2 Rabbit Monoclonal Antibody - Protein Information****Name** METAP2 {ECO:0000255|HAMAP-Rule:MF\_03175}**Synonyms** MNPEP, P67EIF2**Function**

Cotranslationally removes the N-terminal methionine from nascent proteins. The N-terminal methionine is often cleaved when the second residue in the primary sequence is small and

uncharged (Met- Ala-, Cys, Gly, Pro, Ser, Thr, or Val). The catalytic activity of human METAP2 toward Met-Val peptides is consistently two orders of magnitude higher than that of METAP1, suggesting that it is responsible for processing proteins containing N-terminal Met-Val and Met-Thr sequences in vivo.

### Cellular Location

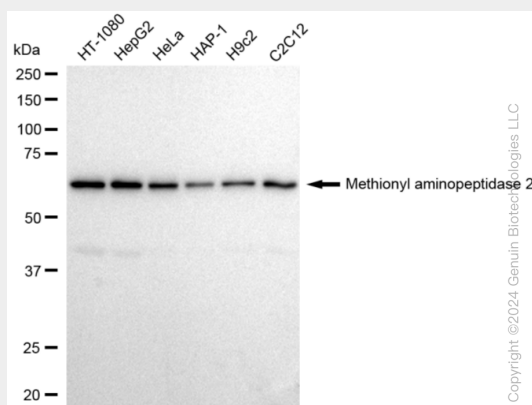
Cytoplasm {ECO:0000255|HAMAP-Rule:MF\_03175, ECO:0000269|PubMed:21537465}. Note=About 30% of expressed METAP2 associates with polysomes

## KD-Validated Anti-Methionyl aminopeptidase 2 Rabbit Monoclonal Antibody - Protocols

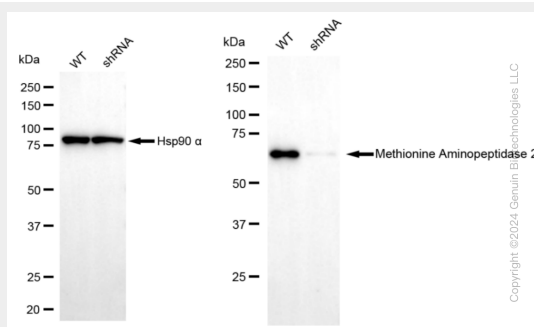
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

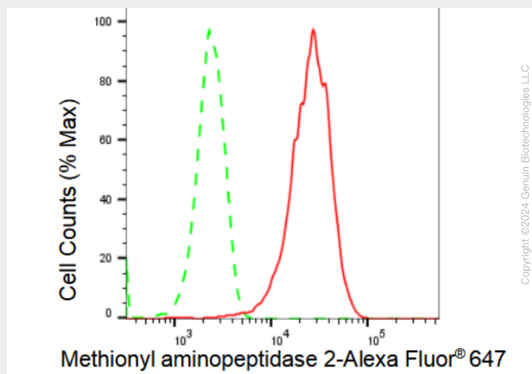
## KD-Validated Anti-Methionyl aminopeptidase 2 Rabbit Monoclonal Antibody - Images



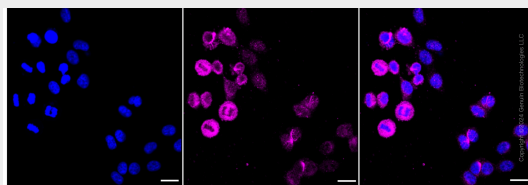
Western blotting analysis using anti-Methionyl aminopeptidase 2 antibody (Cat#61489). Total cell lysates (30 µg) from various cell lines were loaded and separated by SDS-PAGE. The blot was incubated with anti-Methionyl aminopeptidase 2 antibody (Cat#61489, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20,000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



Western blotting analysis using anti-Methionyl aminopeptidase 2 antibody (Cat#61489). Methionyl aminopeptidase 2 expression in wild type (WT) and methionyl aminopeptidase 2 shRNA knockdown (KD) HeLa cells with 30  $\mu$ g of total cell lysates.  $\beta$ -Tubulin serves as a loading control. The blot was incubated with anti-Methionyl aminopeptidase 2 antibody (Cat#61489, 1:5,000) and HRP-conjugated goat anti-rabbit secondary antibody (Cat#201, 1:20000) respectively. Image was developed using FeQ™ ECL Substrate Kit (Cat#226).



Flow cytometric analysis of Methionyl aminopeptidase 2 expression in HepG2 cells using Methionyl aminopeptidase 2 antibody (Cat#61489, 1:2,000). Green, isotype control; red, Methionyl aminopeptidase 2.



Immunocytochemical staining of HepG2 cells with Methionyl aminopeptidase 2 antibody (Cat#61489, 1:1,000). Nuclei were stained blue with DAPI; Methionyl aminopeptidase 2 was stained magenta with Alexa Fluor® 647. Images were taken using Leica stellaris 5. Protein abundance based on laser Intensity and smart gain: High. Scale bar: 20  $\mu$ m.