

Methionine Aminopeptidase 2 Rabbit mAb

Catalog No: #49961

Package Size: #49961-1 50ul #49961-2 100ul

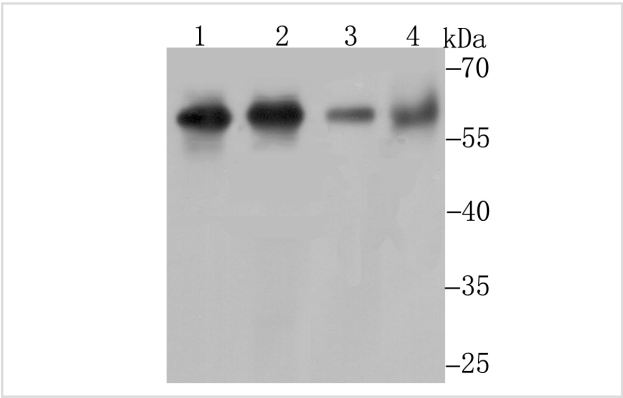
Description

Product Name	Methionine Aminopeptidase 2 Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal
Clone No.	JG39-79
Purification	ProA affinity purified
Applications	WB,ICC,IF,IHC,FC
Species Reactivity	Hu, Ms, Rt
Immunogen Description	Recombinant protein within C-terminal human Methionine Aminopeptidase 2.
Conjugates	Unconjugated
Other Names	A930035J23Rik antibody AI047573 antibody AL024412 antibody Amp2 antibody AU014659, antibody EIF 2 associated p67 homolog antibody EIF-2-associated p67 antibody Initiation factor 2 associated 67 kDa glycoprotein antibody Initiation factor 2-associated 67 kDa glycoprotein antibody MAP 2 antibody MAP2 antibody MAP2_HUMAN antibody MetAP 2 antibody Metap2 antibody Methionine aminopeptidase 2 antibody Methionyl aminopeptidase 2 antibody MGC102452 antibody MGC127390 antibody MGC53792 antibody MNPEP antibody p67 antibody p67eIF2 antibody Peptidase M antibody Peptidase M2 antibody
Accession No.	Swiss-Prot#:P50579
Calculated MW	Predicted band size 53 kDa
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

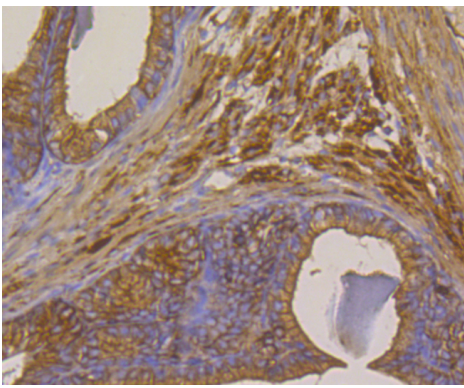
Application Details

WB: 1:500-1:2,000IHC: 1:50-1:200 ICC/IF: 1:50-1:200FC: 1:50-1:100

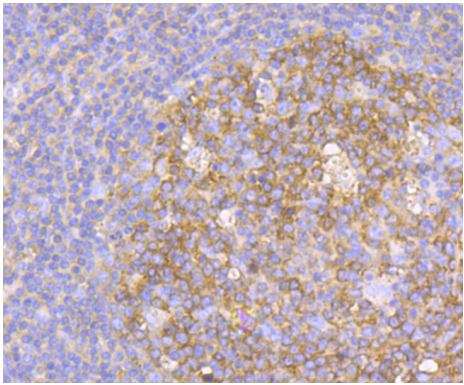
Images



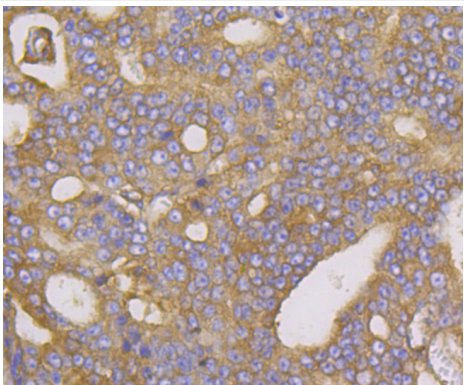
Western blot analysis of Methionine Aminopeptidase 2 on Hela cell using anti-Methionine Aminopeptidase 2 antibody at 1/1,000 dilution. Positive control: Lane 1: Daudi Lane 2: K562 Lane 3: Mouse thymus Lane 4: Mouse kidney



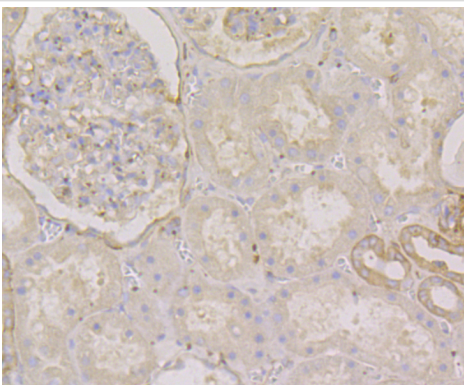
Immunohistochemical analysis of paraffin-embedded rat seminal vesicle tissue using anti-Methionine Aminopeptidase 2 antibody. Counter stained with hematoxylin.



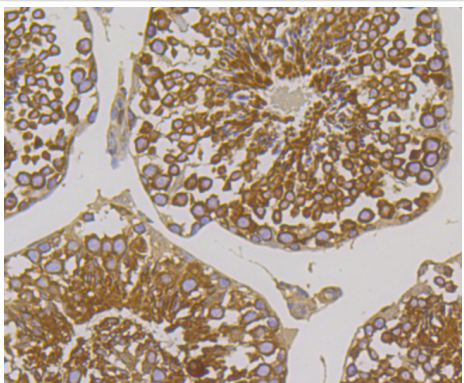
Immunohistochemical analysis of paraffin-embedded human tonsil tissue using anti-Methionine Aminopeptidase 2 antibody. Counter stained with hematoxylin.



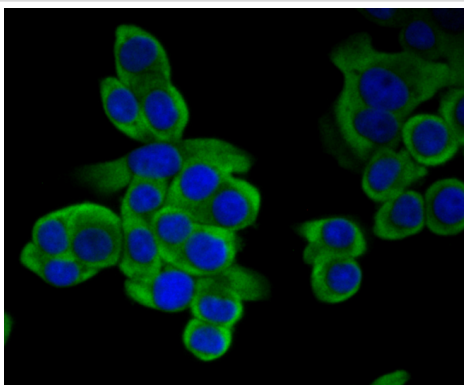
Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue using anti-Methionine Aminopeptidase 2 antibody. Counter stained with hematoxylin.



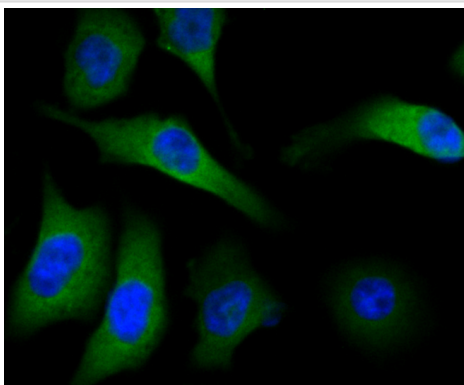
Immunohistochemical analysis of paraffin-embedded human kidney tissue using anti-Methionine Aminopeptidase 2 antibody. Counter stained with hematoxylin.



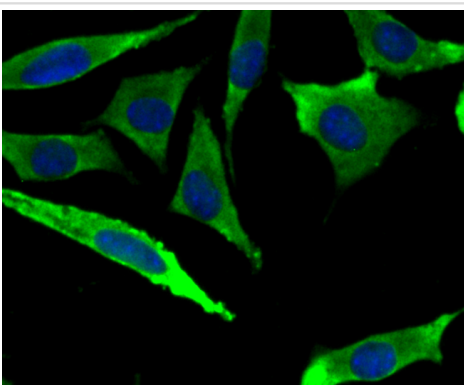
Immunohistochemical analysis of paraffin-embedded mouse testis tissue using anti-Methionine Aminopeptidase 2 antibody. Counter stained with hematoxylin.



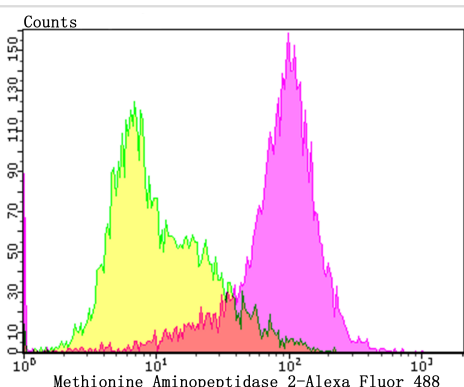
ICC staining Methionine Aminopeptidase 2 in LOVO cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Methionine Aminopeptidase 2 in PC-3M cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



ICC staining Methionine Aminopeptidase 2 in SH-SY-5Y cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



Flow cytometric analysis of Daudi cells with Methionine Aminopeptidase 2 antibody at 1/100 dilution (purple) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.

Background

Methionine aminopeptidases (MetAP), also designated peptidase M proteins, are members of the M24 family of proteins. Both MetAP-1 and MetAP-2 release N-terminal amino acids, usually methionine, from nascent peptides and arylamines. Eukaryotes contain both MetAP-1 and MetAP-2, whereas prokaryotes possess only the MetAP-1 enzyme. MetAP-1 and MetAP-2 control cell proliferation in mammalian cells. MetAP-2 is highly conserved between human and *Saccharomyces cerevisiae*. Neurofibromin (NF1) regulates MetAP-2 and increased expression of MetAP-2 correlates with several forms of cancer. Inhibitors of MetAP-2 are potential targets in cancer therapeutics, particularly in NF1-associated tumor proliferation. Chemotherapeutic drugs such as ovalicin and fumagillin bind to the active site of and inhibit MetAP-2.

Note: This product is for in vitro research use only and is not intended for use in humans or animals.