

Anti-METAP1 Mouse mAb

Purified Recombinant Mouse Monoclonal Antibody

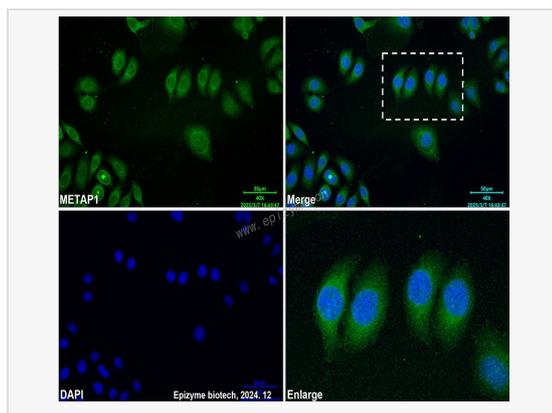
Catalog # M014934

Product Information

Application	WB, IHC-P/IF (Tissue-P), IF (Cell)/ICC, ELISA
Reactivity	Human, Mouse (Cell)
Dilution	WB 1:1,000~1:2,000; IHC-P 1:100~1:200; IF 1:100~1:200
Host	Mouse
Clonality	Monoclonal
Clone No.	80B09K66
Isotype	IgG
Label	Unconjugated
Immunogen	Recombinant protein of human METAP1
Format	Affinity purified monoclonal antibody supplied in PBS with 0.01% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-METAP1 Mouse mAb [80B09K66] is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Synonyms	AMPM1_HUMAN, DKFZp781C0419, KIAA0094, MAP 1, MAP1A, MetAP 1, metap1, MetAP1A, Methionine aminopeptidase 1, Methionyl Aminopeptidase 1, Peptidase M 1.
Calculated MW	Calculated MW: 43 kDa; Observed MW: 43 kDa
Uniprot ID	P53582
Gene ID	23173
Background	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). Required for normal progression through the cell cycle.



Immunofluorescence - Anti-METAP1 Mouse mAb [80B09K66]

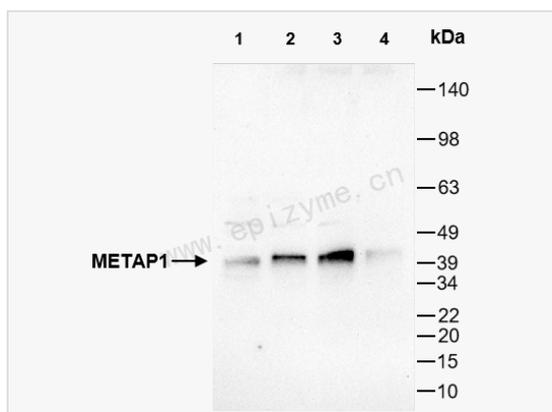
Sample: HeLa cells

The cells were fixed with 4% paraformaldehyde (10 min), permeabilized with 0.5% Triton X-100 for 10 minutes and then blocked with 5% BSA in 0.1% PBS-Tween for 0.5 hours.

Primary antibody: M014934 at 1:100 dilution

Secondary antibody: Goat anti-Mouse (488) at 1:1,000 dilution (shown in green)

Nuclei were stained with DAPI (shown in blue).



Western Blot - Anti-METAP1 Mouse mAb [80B09K66]

All lanes: M014934 at 1:1,000 dilution

Lane 1: A549 (Human lung carcinoma epithelial cell) whole cell lysates

Lane 2: HepG2 (Human hepatocarcinoma epithelial cell) whole cell lysates

Lane 3: HCT116 (Human colorectal carcinoma epithelial cell) whole cell lysates

Lane 4: A431 (Human epidermoid teratoma cell line) whole cell lysates

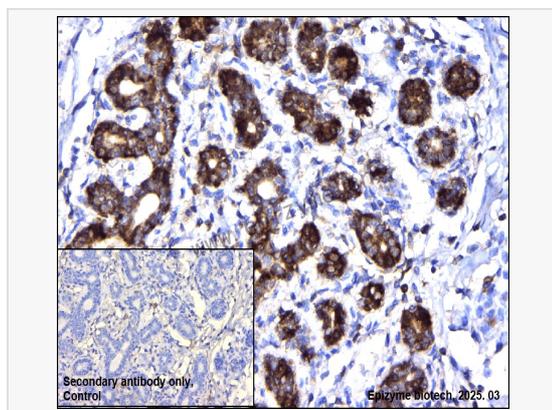
Lysates/proteins at 10 µg per lane.

Secondary antibody: Goat Anti-Mouse IgG (H+L), HRP Conjugated (Cat. No. LF101) at 1:5,000 dilution

Predicted band size: 43 kDa

Observed band size: 43 kDa

Developed using the ECL technique (Cat. No. SQ201).



Immunohistochemistry - Anti-METAP1 Mouse mAb [80B09K66]

Sample: Paraformaldehyde-fixed, paraffin embedded human breast cancer tissue

Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0) for 30 mins.

Primary antibody: M014934 at 1:200 dilution

Secondary antibody: Goat Anti-Mouse IgG (H+L), HRP conjugated at 1:1,000 dilution

DAB was used as the chromogen.

Counter stained with hematoxylin.

Positive/negative staining were presented.

Only the secondary antibody was used as the negative control.