

ARG44189 anti-METAP2 antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes METAP2
Tested Reactivity	Hu, Ms, Rat, Mk
Tested Application	IHC-P, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	METAP2
Species	Human
Immunogen	Recombinant protein of Human METAP2
Conjugation	Un-conjugated
Alternate Names	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

Application Instructions

Application table	Application	Dilution
	IHC-P	2-5 µg/ml
	WB	0.1-0.25 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	

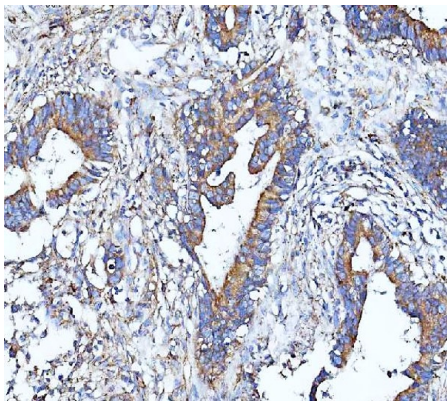
Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.9% NaCl, 0.2% Na ₂ HPO ₄ , 0.05% Sodium azide and 5% BSA.
Preservative	0.05% Sodium azide
Stabilizer	5% BSA
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

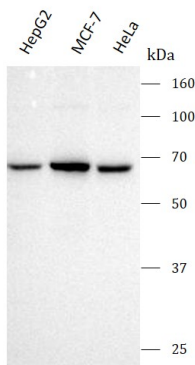
Gene Symbol	METAP2
Gene Full Name	Methionyl Aminopeptidase 2
Background	The protein encoded by this gene is a member of the methionyl aminopeptidase family. The encoded protein functions both by protecting the alpha subunit of eukaryotic initiation factor 2 from inhibitory phosphorylation and by removing the amino-terminal methionine residue from nascent proteins. Increased expression of this gene is associated with various forms of cancer, and the anti-cancer drugs fumagillin and ovalicin inhibit the protein by irreversibly binding to its active site. Inhibitors of this gene have also been shown to be effective for the treatment of obesity. A pseudogene of this gene is located on chromosome 2. Several transcript variants encoding different isoforms have been found for this gene.
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.
Calculated Mw	53 kDa
PTM	Acetylation, Glycoprotein, Phosphoprotein
Cellular Localization	Cytoplasm

Images



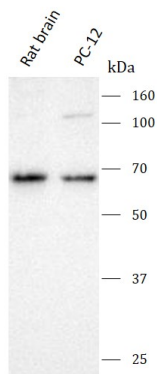
ARG44189 anti-METAP2 antibody IHC-P image

Immunohistochemistry: Human colorectal adenocarcinoma stained with ARG44189 anti-METAP2 antibody at 2 µg/mL dilution.



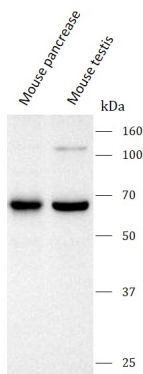
ARG44189 anti-METAP2 antibody WB image

Western blot: HepG, MCF-7 and HeLa stained with ARG44189 anti-METAP2 antibody at 0.5 µg/mL dilution.



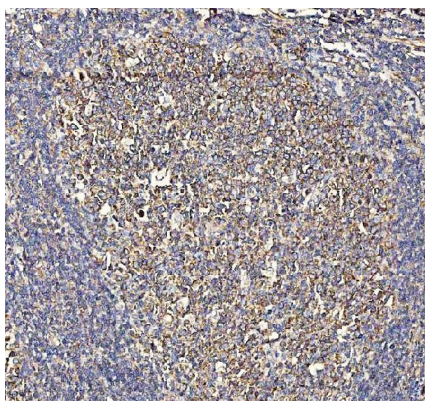
ARG44189 anti-METAP2 antibody WB image

Western blot: Rat brain and PC-12 stained with ARG44189 anti-METAP2 antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.



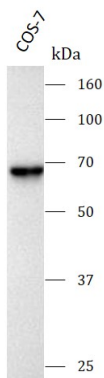
ARG44189 anti-METAP2 antibody WB image

Western blot: Mouse pancreas and Mouse testis stained with ARG44189 anti-METAP2 antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.



ARG44189 anti-METAP2 antibody IHC-P image

Immunohistochemistry: Human tonsil stained with ARG44189 anti-METAP2 antibody at 2 $\mu\text{g}/\text{mL}$ dilution.



ARG44189 anti-METAP2 antibody WB image

Western blot: COS-7 stained with ARG44189 anti-METAP2 antibody at 0.5 $\mu\text{g}/\text{mL}$ dilution.