

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Methionine Aminopeptidase 1D/MAP1D in direct ELISAs and Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>S. frugiperda</i> insect ovarian cell line Sf 21-derived recombinant human Methionine Aminopeptidase 1D/MAP1D Arg44-Ala335 Accession # Q6UB28
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot	Optimal dilution of this antibody should be experimentally determined.
Immunoprecipitation	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Methionine Aminopeptidase 1D (MAP1D) is a member of the Methionine Aminopeptidase family (MetAPs) (1). MetAPs catalyze the removal of the initiator methionine residue from nascent peptides (2) and are essential for cell growth (3). MAP1D is localized in mitochondria (4) and is over-expressed in colon cancer cell lines and colon tumors (1). The N-terminal leader peptide (residue 1-43) of MAP1D has been shown to be responsible for targeting to mitochondria (4).

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