

## Rabbit MTIF2 Polyclonal Antibody | anti-MTIF2 antibody

MTIF2 Polyclonal Antibody

| CATALOG # | HOST   | REACTIVITY        | APPLICATIONS                             |
|-----------|--------|-------------------|------------------------------------------|
| AAA177378 | Rabbit | Human, Mouse, Rat | Immunofluorescence, Immunohistochemistry |

### PRODUCT SYNONYMS

MTIF2; Polyclonal Antibody; MTIF2 Polyclonal Antibody; anti-MTIF2 antibody

### PRODUCT SPECIFICATIONS

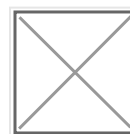
|                                                 |                                                        |
|-------------------------------------------------|--------------------------------------------------------|
| Host                                            | Rabbit                                                 |
| Reactivity                                      | Human, Mouse, Rat                                      |
| Clonality                                       | Polyclonal                                             |
| Isotype                                         | IgG                                                    |
| Purity/Purification                             | Affinity purification                                  |
| Form/Format                                     | PBS with 0.02% sodium azide, 50% glycerol, pH7.3       |
| Concentration                                   | 1mg/mL (varies by lot)                                 |
| Applicable Applications for anti-MTIF2 antibody | IF (Immunofluorescence), IHC (Immunohistochemistry)    |
| Immunogen                                       | Recombinant fusion protein of human MTIF2 (NP_0024442) |
| Conjugation                                     | Unconjugated                                           |
| Preparation and Storage                         | Store at -20 degree C. Avoid freeze/thaw cycles.       |

### IMAGES



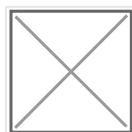
#### IF (Immunofluorescence)

Immunofluorescence analysis of U-2 OS cells using MTIF2 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



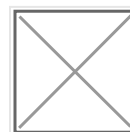
#### IF (Immunofluorescence)

Immunofluorescence analysis of L929 cells using MTIF2 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



#### IF (Immunofluorescence)

Immunofluorescence analysis of C6 cells using MTIF2 Polyclonal Antibody at dilution of 1:100 (40x lens). Blue: DAPI for nuclear staining.



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human colon carcinoma using MTIF2 Polyclonal Antibody at dilution of 1:100 (40x lens).



#### IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded Human lung cancer using MTIF2 Polyclonal Antibody at dilution of 1:100 (40x lens).

## ADDITIONAL INFORMATION

|                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Related Product Information for anti-MTIF2 antibody | During the initiation of protein biosynthesis, initiation factor-2 (IF-2) promotes the binding of the initiator tRNA to the small subunit of the ribosome in a GTP-dependent manner. Prokaryotic IF-2 is a single polypeptide, while eukaryotic cytoplasmic IF-2 (eIF-2) is a trimeric protein. Bovine liver mitochondria contain IF-2 (mt), an 85-kD monomeric protein that is equivalent to prokaryotic IF-2. The predicted 727-amino acid human protein contains a 29-amino acid presequence. Human IF-2 (mt) shares 32 to 38% amino acid sequence identity with yeast IF-2 (mt) and several prokaryotic IF-2s, with the greatest degree of conservation in the G domains of the proteins. |
| Product Categories/Family for anti-MTIF2 antibody   | <a href="#">Polyclonal Antibody</a>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

## NCBI AND UNIPROT INFORMATION

|                                  |                                                                              |
|----------------------------------|------------------------------------------------------------------------------|
| NCBI GI #                        | <a href="#">53729337</a>                                                     |
| NCBI GeneID                      | <a href="#">4528</a>                                                         |
| NCBI Accession #                 | <a href="#">NP_002444.2</a>                                                  |
| NCBI GenBank Nucleotide #        | <a href="#">NM_002453.2</a>                                                  |
| UniProt Accession #              | <a href="#">P46199</a> ; <a href="#">D6W5D0</a>                              |
| Molecular Weight                 | 81,317 Da                                                                    |
| NCBI Official Full Name          | translation initiation factor IF-2, mitochondrial                            |
| NCBI Official Synonym Full Names | mitochondrial translational initiation factor 2                              |
| NCBI Official Symbol             | MTIF2                                                                        |
| NCBI Protein Information         | translation initiation factor IF-2, mitochondrial; IF-2mt; IF2(mt); IF-2(Mt) |
| UniProt Protein Name             | Translation initiation factor IF-2, mitochondrial                            |
| UniProt Gene Name                | <b>MTIF2</b>                                                                 |
| UniProt Synonym Gene Names       | IF-2(Mt); IF-2Mt; IF2(mt)                                                    |
| UniProt Entry Name               | IF2M_HUMAN                                                                   |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/mtif2-antibody-immunofluorescence-immunohistochemistry-elisa/177378>