

Anti-EIF4A1 Antibody (4N444)

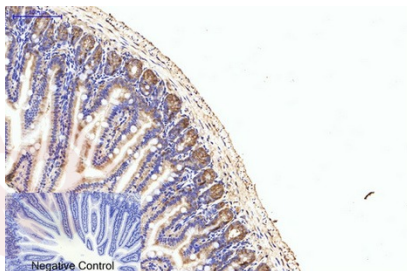
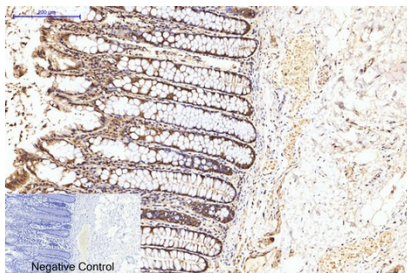
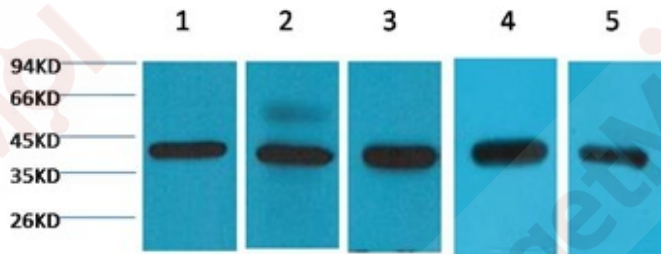
Product Details

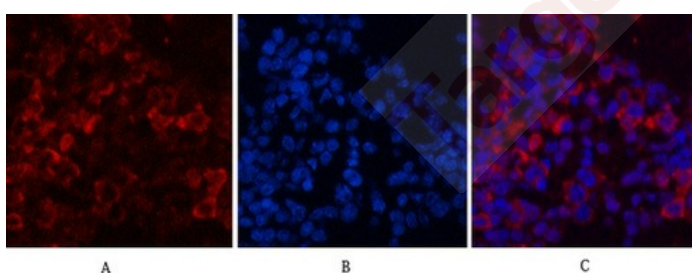
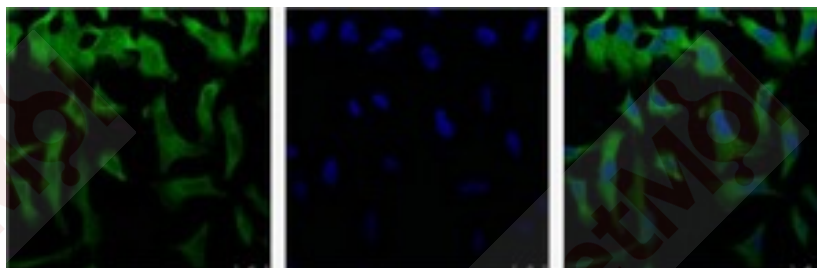
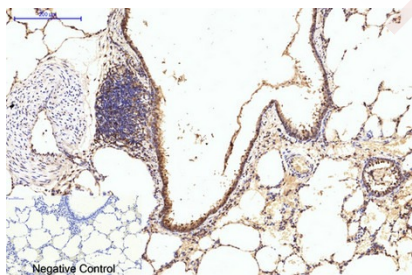
| | |
|-------------------|--|
| Reactivity: | Human,Mouse,Rat |
| Conjugation: | Unconjugated |
| Molecular Weight: | Actual: 48 kDa. |
| Clone: | 4N444 |
| Purification: | The antibody was affinity-purified from mouse ascites by affinity-chromatography using specific immunogen. |

Applications

Verified Activity:

1. Western blot analysis of 1) 293T ,2) Hela, 3) HepG2, 4) Mouse Brain tissue, 5) Rat Brain tissue, using TMAC-01271 diluted at 1:2,000.
2. Immunohistochemical analysis of paraffin-embedded Human-colon-cancer tissue.
3. Immunohistochemical analysis of paraffin-embedded Mouse-colon tissue.
4. Immunohistochemical analysis of paraffin-embedded Rat-lung tissue.
5. IF analysis of Hela with antibody (Left) and DAPI (Right) diluted at 1:100.
6. Immunofluorescence analysis of Mouse-spleen tissue. 1,eIF4A1 Monoclonal Antibody (red) was diluted at 1:200 (4°C,overnight). 2, Cy3 labeled Secondary antibody was diluted at 1:300 (room temperature, 50min).3, Picture B: DAPI (blue) 10min. Picture A: Target. Picture B: DAPI. Picture C: merge of A+B.





Application: IF,IHC,WB

Recommended WB: 1:1000-3000; IF: 1:100-200; IHC: 1:50-300

Properties

Stability & Storage: Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles.

Shipping: Shipping with blue ice.

Antigen Details

Uniprot ID: P60842

Research Background

The eukaryotic initiation factor-4A (eIF4A) family consists of 3 closely related proteins EIF4A1, EIF4A2, and EIF4A3. These factors are required for the binding of mRNA to 40S ribosomal subunits. Eukaryotic initiation factor (eIF) complex 2 forms a ternary complex with GTP and the initiator Met-tRNAⁱC this process is regulated by guanine nucleotide exchange and phosphorylation and serves as the main regulatory element of the bottleneck of protein expression.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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