

### elF4A2 Antibody

Rabbit Polyclonal Antibody Catalog # AN1267

## Specification

# eIF4A2 Antibody - Product Information

Application Primary Accession Reactivity Host Clonality Calculated MW WB <u>Q14240</u> Human, Mouse Rabbit Polyclonal 46402

### eIF4A2 Antibody - Additional Information

Gene ID1917Gene NameEIF4A2Target/SpecificitySynthetic peptide from the N-terminal region of the human eIF4A2 protein.

**Dilution** WB~~ 1:1000

Format Antigen Affinity Purified from Pooled Serum

Storage

Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

**Precautions** eIF4A2 Antibody is for research use only and not for use in diagnostic or therapeutic procedures.

Shipping Blue Ice

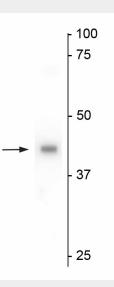
#### eIF4A2 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- <u>Western Blot</u>
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- <u>Cell Culture</u>



#### eIF4A2 Antibody - Images



Western blot of mouse testes lysate showing specific immunolabeling of the  $\sim$ 46 kDa eukaryotic initiation factor 4A2, eIF4A2, protein.

# eIF4A2 Antibody - Background

The elF4A, eukaryotic initiation factor 4A, are a set of proteins, elF4A1, elF4A2, and elF4A3, that belong to the extensive DEAD-box RNA helicase family (Weinstein et al., 1997). They are involved in many aspects of RNA metabolism by virtue of their RNA-binding capacity and ATPase activity (Lu et al., 2014). elF4A2 is a highly conserved gene for one of the protein-synthesis initiation factors involved in the binding of mRNA to the ribosome (Gingras et al., 1999). In humans elF4A2 is expressed in all normal tissues, though highly expressed in skeletal muscle (Sudo et al., 1995). Studies suggest elF4A2 may play a role in some cancers, specifically breast and lung cancer, along with melanoma (Shaoyan et al., 2013).