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EEF1E1 / AIMP3 / p18 Antibody (internal region, near N-Term)

Peptide-affinity purified goat antibody
Catalog # AF4013a

Specification

EEF1E1 / AIMP3 / p18 Antibody (internal region, near N-Term) - Product Information

Application	**WB**
Primary Accession	O43324
Other Accession	NP_004271.1, NP_001129122.1, 9521
Reactivity	**Human**
Predicted	**Pig, Dog, Cow**
Host	**Goat**
Clonality	**Polyclonal**
Concentration	**0.5 mg/ml**
Isotype	**IgG**
Calculated MW	**19811**

EEF1E1 / AIMP3 / p18 Antibody (internal region, near N-Term) - Additional Information

Gene ID 9521

Other Names
Eukaryotic translation elongation factor 1 epsilon-1, Aminoacyl tRNA synthetase complex-interacting multifunctional protein 3, Elongation factor p18, Multisynthase complex auxiliary component p18, EEF1E1, AIMP3, P18

Format
0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin

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
EEF1E1 / AIMP3 / p18 Antibody (internal region, near N-Term) is for research use only and not for use in diagnostic or therapeutic procedures.

EEF1E1 / AIMP3 / p18 Antibody (internal region, near N-Term) - Protein Information

Name EEF1E1

Synonyms AIMP3, P18 {ECO:0000303|PubMed:15680327}

Function
Positive modulator of ATM response to DNA damage.

Cellular Location

Cytoplasm. Cytoplasm, cytosol. Nucleus. Note=Cytoplasmic under growth arrest conditions. Translocated into the nucleus when growth resumes (S phase) and following DNA damage

Tissue Location
Down-regulated in various cancer tissues.

EEF1E1 / AIMP3 / p18 Antibody (internal region, near N-Term) - Protocols

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

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

EEF1E1 / AIMP3 / p18 Antibody (internal region, near N-Term) - Images



AF4013a (0.1 µg/ml) staining of K562 lysate (35 µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.

EEF1E1 / AIMP3 / p18 Antibody (internal region, near N-Term) - Background

This antibody is expected to recognize both reported isoforms (NP_004271.1; NP_001129122.1).

EEF1E1 / AIMP3 / p18 Antibody (internal region, near N-Term) - References

Dual role of methionyl-tRNA synthetase in the regulation of translation and tumor suppressor activity of aminoacyl-tRNA synthetase-interacting multifunctional protein-3. Kwon NH, Kang T, Lee JY, Kim HH, Kim HR, Hong J, Oh YS, Han JM, Ku MJ, Lee SY, Kim S. Proc Natl Acad Sci U S A. 2011 Dec 6;108(49):19635-40. PMID: 22106287