

Goat anti-EEF1E1 / AIMP3 / p18 Antibody

Item Number	dAP-2954
Target Molecule	Principle Name: EEF1E1 / AIMP3 / p18; Official Symbol: EEF1E1; All Names and Symbols: EEF1E1; eukaryotic translation elongation factor 1 epsilon 1; AIMP3; P18; ARS-interacting multifunctional protein 3; aminoacyl tRNA synthetase complex-interacting multifunctional protein 3; eukaryotic translation elongation factor 1 epsilon-1; Accession Number (s): NP_004271.1; NP_001129122.1; Human Gene ID(s): 9521; Non-Human GeneID(s):
Immunogen	SKGNKYSAQGERQ, is from internal region (near N Terminus) This antibody is expected to recognize both reported isoforms (NP_004271.1; NP_001129122.1).
Applications	Pep ELISA, WB Species Tested: Human, Pig
Purification	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Supplied As	lyophilized powder of 50ug or 100ug IgG; Reconstitute IgG with 100ul or 200ul sterile DI Water and final product will be formulated as 0.5 mg/ml in Tris saline, 0.02% sodium azide, pH7.3 with 0.5% bovine serum albumin. Aliquot and store at -20°C. Minimize freezing and thawing.
Peptide ELISA	Peptide ELISA: antibody detection limit dilution 1 to 128000.
Western Blot	Western Blot: Approx 19kDa band observed in lysates of cell lines HepG2 and K562 (calculated MW of 19.8kDa according to NP_004271.1) and in Pig Testis lysates (calculated MW of 19.8kDa according to NP_001230474.1). Recommended concentration: 0.1-0.3µg/ml
IHC	
Reference	Reference(s): Kwon NH, Kang T, Lee JY, Kim HH, Kim HR, Hong J, Oh YS, Han JM, Ku MJ, Lee SY, Kim S. Dual role of methionyl-tRNA synthetase in the regulation of translation and tumor suppressor activity of aminoacyl-tRNA synthetase-interacting multifunctional protein-3. Proc Natl Acad Sci U S A. 2011 Dec

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**