

For Research Use Only

# EEF1E1 Polyclonal antibody

Catalog Number: 10805-1-AP

Featured Product

4 Publications



## Basic Information

Catalog Number:

10805-1-AP

Size:

150ul, Concentration: 400 ug/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG1092

GenBank Accession Number:

BC005291

GeneID (NCBI):

9521

UNIPROT ID:

O43324

Full Name:

eukaryotic translation elongation factor 1 epsilon 1

Calculated MW:

20 kDa

Observed MW:

20 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:20-1:200

## Applications

Tested Applications:

WB, IHC, ELISA

Cited Applications:

WB, IF

Species Specificity:

human, mouse, rat

Cited Species:

human

**Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (\*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0**

Positive Controls:

**WB** : HEK-293 cells, HeLa cells, human testis tissue, Jurkat cells, HepG2 cells, SKOV-3 cells, mouse testis tissue, rat testis tissue

**IHC** : human breast cancer tissue,

## Background Information

During the translation processes, aminoacyl-tRNA synthetases (ARSs) ligate specific amino acids to tRNAs. Together with non-enzymatic proteins called ARS-interacting multifunctional proteins (AIMPs), the ARSs form a macromolecular complex [PMID:15286174]. This complex has an essential role in protein synthesis, but also in other biological processes including angiogenesis, apoptosis, and inflammation. [PMID:21789020] AIMP3 is not only associated with the multi-tRNA synthetase complex via its specific interaction with methionyl-tRNA synthetase, but also works as a tumor suppressor by interacting with ATM, the upstream kinase of p53 [PMID:18343821].

## Notable Publications

Author	Pubmed ID	Journal	Application
Krishnendu Khan	36037331	Proc Natl Acad Sci U S A	WB,IF
J J David Ho	34644561	Cell Rep	WB
Liting Ding	33538115	J Cell Mol Med	WB

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol, pH7.3

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

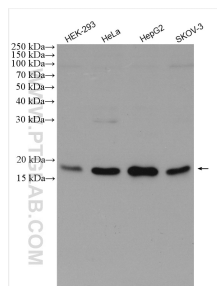
For technical support and original validation data for this product please contact:

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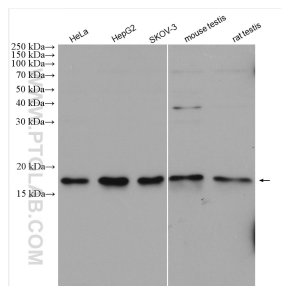
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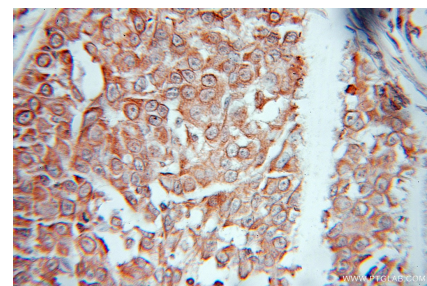
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 10805-1-AP (EEF1E1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



Various lysates were subjected to SDS PAGE followed by western blot with 10805-1-AP (EEF1E1 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.



Immunohistochemical analysis of paraffin-embedded human breast cancer using 10805-1-AP (EEF1E1 antibody) at dilution of 1:10 (under 10x lens).