

## EEF1E1 Polyclonal Antibody

Catalog number: 10805-1-AP

Size: 20 µg/150 µl

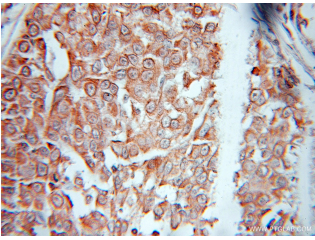
Source: Rabbit

Isotype: IgG

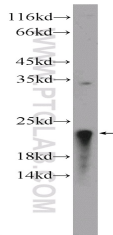
Synonyms:

EEF1E1; AIMP3, EEF1E1,

Elongation factor p18, P18



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



HepG2 cells were subjected to SDS PAGE followed by western blot with 10805-1-AP (EEF1E1 Antibody) at dilution of 1:1000

### Background

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].

### Applications

Tested applications:	ELISA, IHC, WB
Species specificity:	Human, Mouse, Rat; other species not tested.
Calculated EEF1E1 MW:	20 kDa
Observed EEF1E1 MW:	20kd
Positive WB detected in	HepG2 cells, HEK-293 cells, human testis tissue, Jurkat cells, SKOV-3 cells
Positive IHC detected in	Human breast cancer tissue
Recommended dilution:	WB: 1:500-1:5000 IHC: 1:20-1:200

Application key: WB = Western blotting, IHC = Immunohistochemistry, IF = Immunofluorescence, IP = Immunoprecipitation

### Immunogen information

Immunogen:	Ag1092
GenBank accession number:	BC005291
Gene ID (NCBI):	9521
Full name:	Eukaryotic translation elongation factor 1 epsilon 1

### Product information

Purification method:	Antigen affinity purification
Storage:	PBS with 0.1% sodium azide and 50% glycerol pH 7.3. Store at -20°C.