

Anti-EEF2 (pT56) Antibody
Rabbit polyclonal antibody to EEF2 (pT56)
Catalog # AP60272**Specification**

Anti-EEF2 (pT56) Antibody - Product Information

Application	WB, IF/IC, IHC
Primary Accession	P13639
Other Accession	P58252
Reactivity	Human, Mouse, Rat, Zebrafish, Monkey, Chicken, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	95338

Anti-EEF2 (pT56) Antibody - Additional Information**Gene ID** 1938**Other Names**

EF2; Elongation factor 2; EF-2

Target/Specificity

Recognizes endogenous levels of EEF2 (pT56) protein.

Dilution

WB~~WB (1/500 - 1/1000), IH (1/100 - 1/200), IF/IC (1/100 - 1/500)

IF/IC~~N/A

IHC~~1:100~500

Format

Liquid in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.09% (W/V) sodium azide.

Storage

Store at -20 °C. Stable for 12 months from date of receipt

Anti-EEF2 (pT56) Antibody - Protein Information**Name** EEF2**Synonyms** EF2**Function**

Catalyzes the GTP-dependent ribosomal translocation step during translation elongation (PubMed: 26593721). During this step, the ribosome changes from the pre-translocational (PRE) to the post-translocational (POST) state as the newly formed A-site-bound peptidyl- tRNA and P-site-bound

deacylated tRNA move to the P and E sites, respectively (PubMed:26593721). Catalyzes the coordinated movement of the two tRNA molecules, the mRNA and conformational changes in the ribosome (PubMed:26593721).

Cellular Location

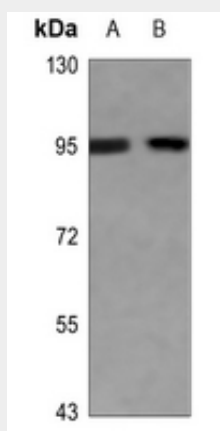
Cytoplasm. Nucleus. Note=Phosphorylation by CSK promotes cleavage and SUMOylation-dependent nuclear translocation of the C- terminal cleavage product.

Anti-EEF2 (pT56) Antibody - Protocols

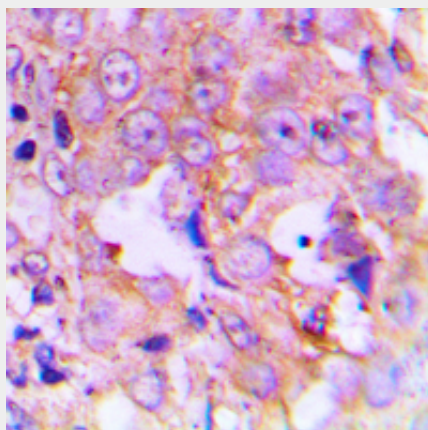
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

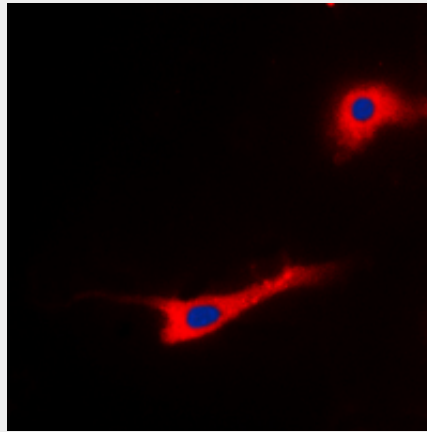
Anti-EEF2 (pT56) Antibody - Images



Western blot analysis of EEF2 (pT56) expression in DLD (A), U2OS (B) whole cell lysates.



Immunohistochemical analysis of EEF2 (pT56) staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected using an HRP conjugated compact polymer system. DAB was used as the chromogen. The section was then counterstained with haematoxylin and mounted with DPX.



Immunofluorescent analysis of EEF2 (pT56) staining in SKOV3 cells. Formalin-fixed cells were permeabilized with 0.1% Triton X-100 in TBS for 5-10 minutes and blocked with 3% BSA-PBS for 30 minutes at room temperature. Cells were probed with the primary antibody in 3% BSA-PBS and incubated overnight at 4 °C in a humidified chamber. Cells were washed with PBST and incubated with a DyLight 594-conjugated secondary antibody (red) in PBS at room temperature in the dark. DAPI was used to stain the cell nuclei (blue).

Anti-EEF2 (pT56) Antibody - Background

KLH-conjugated synthetic peptide encompassing a sequence within the N-term region of human EEF2 (pT56). The exact sequence is proprietary.