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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).

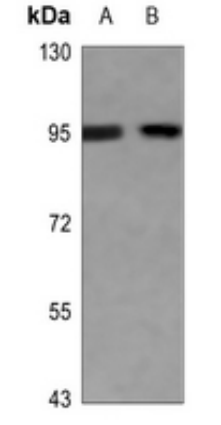
Cellular Location
Cytoplasm. Nucleus. Note=Phosphorylation by CSK promotes cleavage and SUMOylation-dependent nuclear translocation of the C- terminal cleavage product.

Anti-EEF2 (pT56) Antibody - Protocols

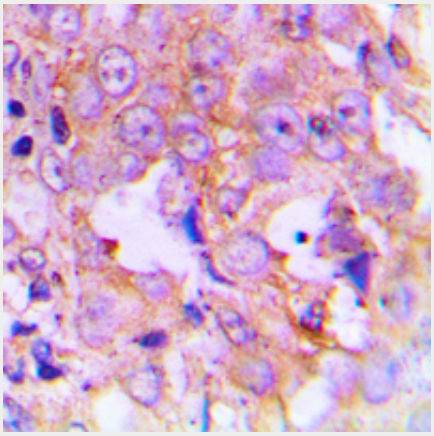
Provided below are standard protocols that you may find useful for product applications.

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

Anti-EEF2 (pT56) Antibody - Images



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



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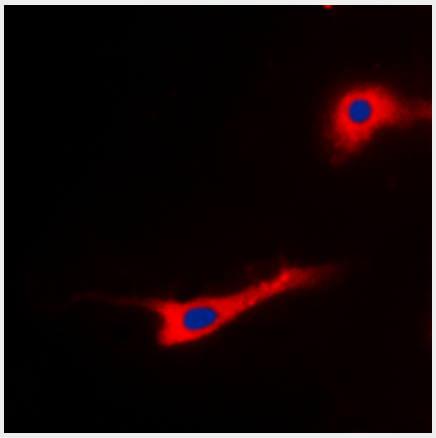
Immunohistochemical analysis of EEF2 (pT56) staining in human lung cancer formalin fixed paraffin embedded tissue section. The section was pre-treated using heat mediated antigen retrieval with sodium citrate buffer (pH 6.0). The section was then incubated with the antibody at room temperature and detected 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 hidified 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.