Anti-Phospho-EEF2K (Ser366) Rabbit pAb

Purified Rabbit Polyclonal Antibody

Catalog # P108817

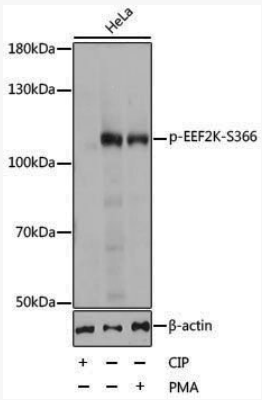
Product Information

Application	WB, ELISA
Reactivity	Human, Mouse, Rat
Dilution	WB 1:500~1:2000
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Label	Unconjugated
Immunogen	A synthetic phosphorylated peptide around S366 of human EEF2K (NP_037434.1).
Format	Affinity purified polyclonal antibody supplied in PBS with 0.02% sodium azide and 50% glycerol, pH 7.3.
Storage	Shipped on wet ice. Store at -20°C. Stable for 24 months from date of receipt. Aliquoting is unnecessary for -20°C storage.
Precautions	Anti-Phospho-EEF2K (Ser366) Rabbit pAb is for research use only and not for use in diagnostic or therapeutic procedures.

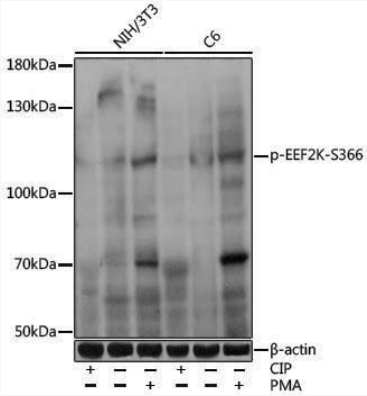
Protein Information

Synonyms	eEF-2K; CaMKIII; HSU93850; Phospho-EEF2K-S366.
Calculated MW	Calculated MW: 82 kDa; Observed MW: 110 kDa
Uniprot ID	O00418
Gene ID	29904
Background	This gene encodes a highly conserved protein kinase in the calmodulin-mediated signaling pathway that links activation of cell surface receptors to cell division. This kinase is involved in the regulation of protein synthesis. It phosphorylates eukaryotic elongation factor 2 (EEF2) and thus inhibits the EEF2 function. The activity of this kinase is increased in many cancers and may be a valid target for anti-cancer treatment.

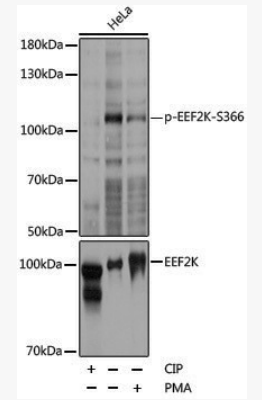
Validation Images



Western blot analysis of lysates from HeLa cells, using Phospho-EEF2K-S366 Rabbit pAb (P108817) at 1:1,000 dilution. Hela cell lysate were treated by CIP (20ul CIP for each 400ul cell lysate) at 37°C for 1 hour or treated by PMA/TPA (200nM) for 15 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Kit.
Exposure time: 15s.



Western blot analysis of various lysates using Phospho-EEF2K-S366 Rabbit pAb (P108817) at 1:1,000 dilution. NIH/3T3 and C6 cells were treated by CIP(20uL/400ul) at 37°C for 1 hour or PMA/TPA (200 nM) at 37°C for 30 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% nonfat dry milk in TBST.
Detection: ECL Kit.
Exposure time: 30s.



Western blot analysis of lysates from HeLa cells, using Phospho-EEF2K-S366 Rabbit pAb (P106506). Hela cell lysate were treated by CIP (20ul CIP for each 400ul cell lysate) at 37°C for 1 hour or treated by PMA/TPA (200nM) for 15 minutes after serum-starvation overnight.
Secondary antibody: HRP-conjugated Goat anti-Rabbit IgG (H+L) (LF102) at 1:10,000 dilution.
Lysates/proteins: 25µg per lane.
Blocking buffer: 3% BSA.
Detection: ECL Kit.
Exposure time: 15s.