

**eEF2K (phospho-S366) polyclonal antibody**

Catalog: BCP00687

Host: Rabbit

Reactivity: Human

**BackGround:**

eEF2K is 105 kDa protein that is detected in skeletal muscle extracts and is phosphorylated rapidly by SAPK4, but poorly by p38, p38 $\gamma$ , JNK or ERK 2. SAPK4 phosphorylates eEF2K at Ser 359 and Ser 396 in vitro, causing its inactivation. The phosphorylation of eEF2K at Ser 359 is also induced by insulin-like growth factor-1. Ser 359 is in close proximity to Ser 366 and the Ser 366 residue also becomes phosphorylated in response to growth factors. eEF2K is phosphorylated by p70 S6 kinase at Ser 366 and this results in the inactivation of eEF2K, especially at low (micromolar) calcium concentrations.

**Product:**

Rabbit IgG, 1mg/ml in PBS with 0.02% sodium azide, 50% glycerol, pH7.2

**Molecular Weight:**

~ 105 kDa

**Swiss-Prot:**

O00418

**Purification&Purity:**

The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen and the purity is > 95% (by SDS-PAGE).

**Applications:**

WB: 1:500~1:1000

IHC: 1:50~1:200

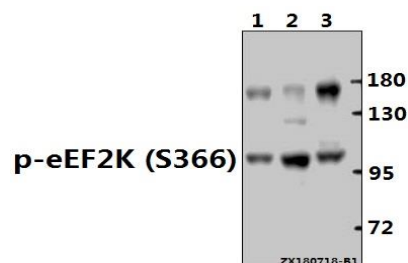
IP: 1:10~1:100

**Storage&Stability:**

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

**Specificity:**

p-eEF2K (S366) polyclonal antibody detects endogenous levels of eEF2K protein when phosphorylated at Ser366.

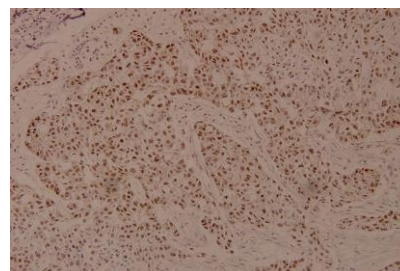
**DATA:**

Western blot (WB) analysis of p-eEF2K (S366) pAb at 1:1000 dilution

Lane1:MCF-7 whole cell lysate(40ug)

Lane2:Hela whole cell lysate(40ug)

Lane3:A375 whole cell lysate(40ug)



Immunohistochemistry (IHC) analyzes of p-eEF2K (S366) pAb in paraffin-embedded human breast carcinoma tissue at 1:100.

Immunoprecipitation of HEK293T cell lysate using p-eEF2K (S366) pAb (Sepharose Bead Conjugate) #BD0048(lane 2 and lane 3) and Nonspecific IgG Control (Sepharose Bead Conjugate)#BD0048 (lane 4). Lane 1 is 30% input. The western blot was probed using p-eEF2K (S366). “↑” (supernatant) ; “↓”(deposition)

**Note:**

For research use only, not for use in diagnostic procedure.