

**DUSP7 polyclonal antibody**

Catalog: BS35996

Host: Rabbit

Reactivity: Human, Mouse, Rat

BackGround:

Dual specificity protein phosphatase . Shows high activity towards MAPK1/ERK2 . Also has lower activity towards MAPK14 and MAPK8 . In arrested oocytes, plays a role in meiotic resumption (By similarity). Promotes nuclear envelope breakdown and activation of the CDK1/Cyclin-B complex in oocytes, probably by dephosphorylating and inactivating the conventional protein kinase C (cPKC) isozyme PRKCB (By similarity). May also inactivate PRKCA and/or PRKCG (By similarity). Also important in oocytes for normal chromosome alignment on the metaphase plate and progression to anaphase, where it might regulate activity of the spindle-assembly checkpoint (SAC) complex (By similarity)

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~45.0 kDa

Swiss-Prot:

Q16829

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

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

Specificity:

Recognizes endogenous levels of DUSP7 protein

DATA:

Western blot analysis of Kir7.1 expression in PC3 (A), mouse brain (B) whole cell lysates.

Note:

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

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