

Dusp7 Antibody - N-terminal region

Rabbit Polyclonal Antibody

Catalog # AI13353

Product Information

Application	WB
Primary Accession	Q63340
Other Accession	XM_238551 , XP_238551
Reactivity	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Predicted	Human, Mouse, Rat, Rabbit, Zebrafish, Pig, Dog, Guinea Pig, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	45067

Additional Information

Gene ID	300980
Alias Symbol	mkp-X
Other Names	Dual specificity protein phosphatase 7, 3.1.3.16, 3.1.3.48, Dual specificity protein phosphatase MKP-X, Dusp7, Mkpx
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 50 ul of distilled water. Final anti-Dusp7 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	Dusp7 Antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	Dusp7 {ECO:0000312 RGD:735026}
Function	Dual specificity protein phosphatase (By similarity). Shows high activity towards MAPK1/ERK2 (By similarity). Also has lower activity towards MAPK14 and MAPK8 (By similarity). In arrested oocytes, plays a role in meiotic resumption. 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. May also inactivate PRKCA and/or PRKCG. 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.

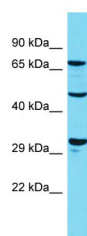
Cellular Location

Cytoplasm {ECO:0000250|UniProtKB:Q16829}.

References

Muda M.,et al.J. Biol. Chem. 271:4319-4326(1996).

Images



Host: Rabbit

Target Name: Dusp7

Sample Tissue: Rat Pancreas lysates

Antibody Dilution: 1.0µg/ml

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.