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[Primary Antibody]

Rabbit Anti-Germinal Center Kinase antibody

Catalog Number: SL16240R

FOR RESEARCH USE ONLY

[DATASHEET]

Host:	Rabbit
Isotype:	IgG
Clonality:	Polyclonal
Target:	Germinal Center Kinase
Immunogen:	KLH conjugated synthetic peptide derived from human Germinal Center Kinase: 4-100/820
Purification:	affinity purified by Protein A
Concentration:	1mg/ml
Storage:	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4℃. Store at -20 °C for one year. Avoid repeated freeze/thaw cycles.
Applications:	IHC-P=1:100-500 IHC-F=1:100-500 ICC/IF=1:100-500 IF=1:100-500 ELISA=1:5000-10000 （Paraffin sections need antigen repair） not yet tested in other applications. optimal dilutions/concentrations should be determined by the end user.
Reactivity:	(predicted: Human, Mouse, Rat, Dog)
Predicted MW.:	91kDa
Subcellular Location:	cytoplasmic
Background:	The protein encoded by this gene is a member of the serine/threonine protein kinase family. Although this kinase is found in many tissues, its expression in lymphoid follicles is restricted to the cells of germinal centre, where it may participate in B-cell differentiation. This kinase can be activated by TNF-alpha, and has been shown to specifically activate MAP kinases. This kinase is also found to interact with TNF receptor-associated factor 2 (TRAF2), which is involved in the activation of MAP3K1/MEKK1. [provided by RefSeq, Jul 2008] **Function:** Enhances MAP3K1 oligomerization, which may relieve amino-terminal mediated MAP3K1 autoinhibition and lead to activation following

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	autophosphorylation. May play a role in the regulation of vesicle targeting or fusion. **Subcellular Location:** Cytoplasm. Basolateral cell membrane. Golgi apparatus membrane. **Tissue Specificity:** Highly expressed in germinal center but not mantle zone B-cells. Also expressed in lung, brain and placenta and at lower levels in other tissues examined. **Similarity:** Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. STE20 subfamily. Contains 1 CNH domain. Contains 1 protein kinase domain. **Database links:** **Entrez Gene:** 5871 Human **Entrez Gene:** 26412 Mouse Omim: 603166 Human **SwissProt:** Q12851 Human **SwissProt:** Q61161 Mouse **Unigene:** 534341 Human **Unigene:** 25860 Mouse

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