

产品名称: Cot (phospho Thr290) Rabbit Polyclonal Antibody
产品货号: AP Rab04491



产品概述 (Summary)

产品名称 (Production Name)	Cot (phospho Thr290) Rabbit Polyclonal Antibody
描述 (Description)	Rabbit polyclonal Antibody
宿主 (Host)	Rabbit
应用 (Application)	WB,IHC,ICC/IF,ELISA
种属反应性 (Reactivity)	Human,Mouse,Rat

产品性能 (Performance)

偶联物 (Conjugation)	Unconjugated
修饰 (Modification)	Phosphorylated
同种型 (Isotype)	IgG
克隆 (Clonality)	Polyclonal
形式 (Form)	Liquid
存放说明 (Storage)	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液 (Buffer)	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式 (Purification)	Affinity purification

免疫原信息 (Immunogen)

基因名 (Gene Name)	MAP3K8 MAP3K8; COT; ESTF; Mitogen-activated protein kinase kinase kinase 8; Cancer
别名 (Alternative Names)	Osaka thyroid oncogene; Proto-oncogene c-Cot; Serine/threonine-protein kinase cot; Tumor progression locus 2; TPL-2
基因 ID (Gene ID)	1326.0
蛋白 ID (SwissProt ID)	P41279.The antiserum was produced against synthesized peptide derived from human COT around the phosphorylation site of Thr290. AA range:256-305

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:200-1:1000,ELISA 1:20000-1:40000
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蛋白分子量 (Molecular Weight) 60kDa

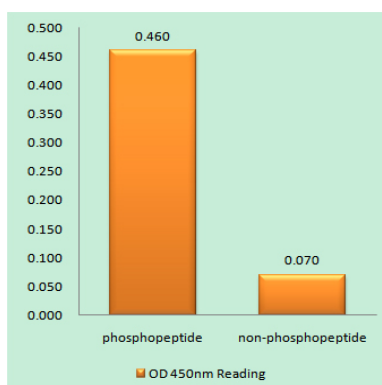
研究背景 (Background)

This gene is an oncogene that encodes a member of the serine/threonine protein kinase family. The encoded protein localizes to the cytoplasm and can activate both the MAP kinase and JNK kinase pathways. This protein was shown to activate I κ B kinases, and thus induce the nuclear production of NF- κ B. This protein was also found to promote the production of TNF- α and IL-2 during T lymphocyte activation. This gene may also utilize a downstream in-frame translation start codon, and thus produce an isoform containing a shorter N-terminus. The shorter isoform has been shown to display weaker transforming activity. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Sep 2011], catalytic activity: ATP + a protein = ADP + a phosphoprotein., cofactor: Magnesium., developmental stage: Isoform 1 is activated specifically during the S and G2/M phases of the cell cycle., function: Required for TLR4 activation of the MEK/ERK pathway. Able to activate NF- κ -B 1 by stimulating proteasome-mediated proteolysis of NF- κ -B 1/p105. Plays a role in the cell cycle. The longer form has some transforming activity, although it is much weaker than the activated cot oncoprotein., PTM: Autophosphorylated. Isoform 1 undergoes phosphorylation mainly on Ser residues, and isoform 2 on both Ser and Thr residues., similarity: Belongs to the protein kinase superfamily. STE Ser/Thr protein kinase family. MAP kinase kinase kinase subfamily., similarity: Contains 1 protein kinase domain., subunit: Forms a ternary complex with NFKB1 and TNIP2., tissue specificity: Expressed in several normal tissues and human tumor-derived cell lines.,

研究领域 (Research Area)

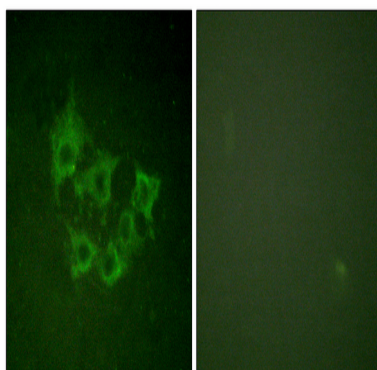
SAPK_JNK; Regulation of Actin Dynamics; T_Cell_Receptor; Cell Growth; Stem cell pathway; Toll_Like;
MAPK_ERK_Growth; MAPK_G_Protein; B_Cell_Antigen

图片 (Image Data)

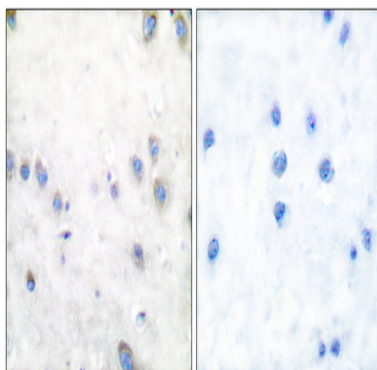


Enzyme-Linked Immunosorbent Assay (Phospho-ELISA) for Immunogen Phosphopeptide (Phospho-left) and Non-Phosphopeptide (Phospho-right), using COT (Phospho-Thr290) Antibody

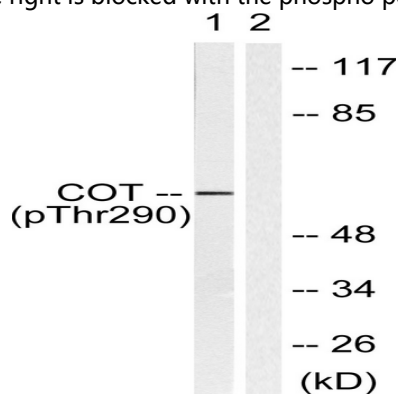
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Immunofluorescence analysis of HUVEC cells, using COT (Phospho-Thr290) Antibody. The picture on the right is blocked with the phospho peptide.

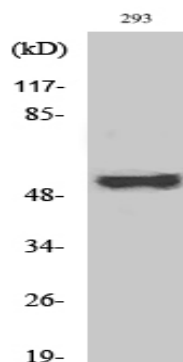


Immunohistochemistry analysis of paraffin-embedded human brain, using COT (Phospho-Thr290) Antibody. The picture on the right is blocked with the phospho peptide.

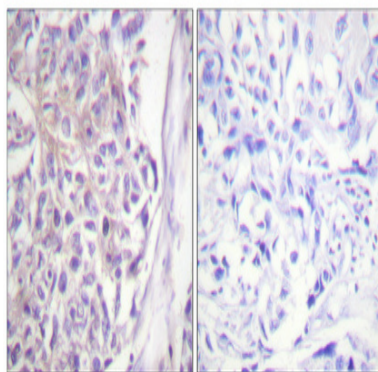


Western blot analysis of lysates from 293 cells treated with UV 15', using COT (Phospho-Thr290) Antibody. The lane on the right is blocked with the phospho peptide.

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Western Blot analysis of various cells using Phospho-Cot (T290) Polyclonal Antibody



Immunohistochemical analysis of paraffin-embedded Human breast cancer. Antibody was diluted at 1:100 (4°, overnight) .
High-pressure and temperature Tris-EDTA, pH 8.0 was used for antigen retrieval. Negative control (right) obtained from antibody was pre-absorbed by immunogen peptide.

注意事项 (Note)

For research use only .