

产品名称: VHR Rabbit Polyclonal Antibody
产品货号: APRab19791



产品概述 (Summary)

产品名称 (Production Name)	VHR 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)	Unmodified
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)	DUSP3
别名 (Alternative Names)	DUSP3; VHR; Dual specificity protein phosphatase 3; Dual specificity protein phosphatase VHR; Vaccinia H1-related phosphatase; VHR
基因 ID (Gene ID)	1845.0
蛋白 ID (SwissProt ID)	P51452.The antiserum was produced against synthesized peptide derived from the C-terminal region of human DUSP3. AA range:136-185

产品应用 (Application)

稀释比 (Dilution Ratio)	WB 1:500-1:2000,IHC 1:100-1:300,ICC/IF 1:50-1:200,ELISA 1:10000-1:20000
蛋白分子量 (Molecular Weight)	21kDa

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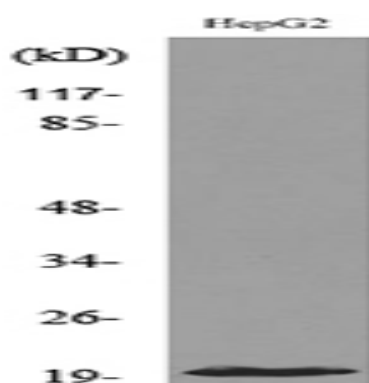
研究背景 (Background)

The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which are associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene maps in a region that contains the BRCA1 locus which confers susceptibility to breast and ovarian cancer. Although DUSP3 is expressed in both breast and ovarian tissues, mutation screening in breast cancer found no association with DUSP3. **Enzyme activity:** A phosphoprotein + H₂O = a protein + phosphate. **Catalytic activity:** Protein tyrosine phosphate + H₂O = protein tyrosine + phosphate. **Function:** This protein shows activity both toward tyrosine-protein phosphate as well as with serine-protein phosphate. **Similarity:** Belongs to the protein-tyrosine phosphatase family. Non-receptor class dual specificity subfamily. Contains 1 tyrosine-protein phosphatase domain.

研究领域 (Research Area)

MAPK_ERK_Growth; MAPK_G_Protein;

图片 (Image Data)



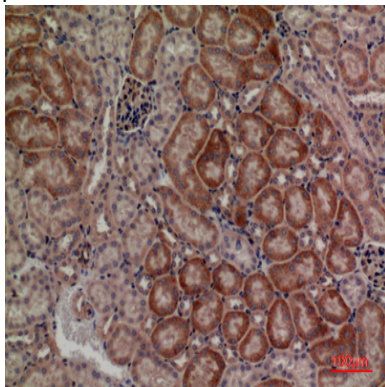
Western blot analysis of lysate from HepG2 cells, using DUSP3 Antibody.



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Western Blot analysis of HepG2 cells using VHR Polyclonal Antibody.. Secondary antibody was diluted at 1:20000 cells nucleus extracted by Minute TM Cytoplasmic and Nuclear Fractionation kit (SC-003, Invent biotech, MN, USA) .



Immunohistochemical analysis of paraffin-embedded mouse-kidney, antibody was diluted at 1:100

注意事项 (Note)

For research use only .