abcam

Product datasheet

Anti-Raf1 antibody ab61120

2 图像

概述

产品名称	Anti-Raf1抗体
描述	**兔多克隆抗体**to Raf1
特异性	ab61120 detects endogenous levels of total Raf1 protein.
经测试应用	**适用于:** IHC-P, ELISA, WB
种属反应性	**与反应:** Human **预测可用于:** Mouse, Rat
免疫原	Synthetic non-phosphopeptide derived from human Raf1 around the phosphorylation site of serine 296 (S-S-S^{P}-P-N).
阳性对照	Human breast carcinoma tissue. Extracts from 293 cells treated with PMA (125ng/ml, 30mins).

性能

形式	Liquid
存放说明	Shipped at 4°C. Store at -20°C. Stable for 12 months at -20°C.
存储溶液	Preservative: 0.02% Sodium Azide Constituents: 50% Glycerol, PBS (without Mg^{2+} and Ca^{2+}), 150mM Sodium chloride, pH 7.4
纯度	Immunogen affinity purified
纯化说明	ab61120 was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
克隆	**多克隆**
同种型	IgG

应用

Our Abpromise guarantee covers the use of **ab61120** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

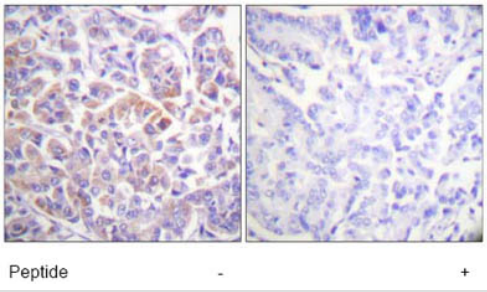
应用	Ab评论	说明
IHC-P		1/50 - 1/100.

应用	Ab评论	说明
ELISA		1/40000.
WB		1/500 - 1/1000. Detects a band of approximately 73 kDa.

靶标

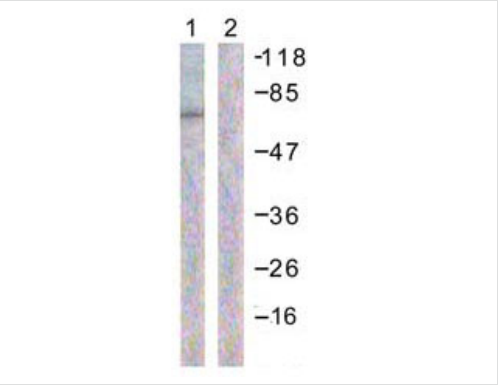
功能	Involved in the transduction of mitogenic signals from the cell membrane to the nucleus. Part of the Ras-dependent signaling pathway from receptors to the nucleus. Protects cells from apoptosis mediated by STK3.
组织特异性	In skeletal muscle, isoform 1 is more abundant than isoform 2.
疾病相关	Defects in RAF1 are the cause of Noonan syndrome type 5 (NS5) [MIM:611553]. Noonan syndrome (NS) is a disorder characterized by dysmorphic facial features, short stature, hypertelorism, cardiac anomalies, deafness, motor delay, and a bleeding diathesis. It is a genetically heterogeneous and relatively common syndrome, with an estimated incidence of 1 in 1000-2500 live births. Defects in RAF1 are the cause of LEOPARD syndrome type 2 (LEOPARD2) [MIM:611554]. LEOPARD syndrome is an autosomal dominant disorder allelic with Noonan syndrome. The acronym LEOPARD stands for lentigines, electrocardiographic conduction abnormalities, ocular hypertelorism, pulmonic stenosis, abnormalities of genitalia, retardation of growth, and deafness.
序列相似性	Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. RAF subfamily. Contains 1 phorbol-ester/DAG-type zinc finger. Contains 1 protein kinase domain. Contains 1 RBD (Ras-binding) domain.
翻译后修饰	Phosphorylated upon DNA damage, probably by ATM or ATR. Phosphorylation at Thr-269 increases its kinase activity. Phosphorylation at Ser-259 induces the interaction with YWHAZ and inactivates kinase activity. Dephosphorylation of Ser-259 by the complex containing protein phosphatase 1, SHOC2 and M-Ras/MRAS relieves inactivation, leading to stimulate RAF1 activity.
细胞定位	Cytoplasm. Cell membrane. Colocalizes with RGS14 and BRAF in both the cytoplasm and membranes.

图片



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Raf1 antibody (ab61120)

ab61120, at a 1/50 dilution, staining Raf1 in paraffin embedded human in breast carcinoma tissue with (+) or without (-) immunising peptide, by Immunohistochemistry.



Western blot - Raf1 antibody (ab61120)

All lanes : Anti-Raf1 antibody (ab61120) at 1/500 dilution

Lane 1 : Extracts from 293 cells treated with PMA (125ng/ml, 30mins)
Lane 2 : Extracts from 293 cells treated with PMA (125ng/ml, 30mins) with immunising Raf1 peptide

Observed band size : 73 kDa

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