

# Anti-BRAF antibody ab85972

[2 References](#) [3 图像](#)

### 概述

产品名称	Anti-BRAF抗体
描述	兔多克隆抗体to BRAF
宿主	Rabbit
经测试应用	适用于: WB, IP, IHC-P
种属反应性	与反应: Human 预测可用于: Mouse, Rat, Cow, Dog, Chimpanzee, Gorilla 
免疫原	Synthetic peptide corresponding to Human BRAF aa 25-75.
常规说明	<p>The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.</p> <p>If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&amp;As</p>

### 性能

形式	Liquid
存放说明	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
存储溶液	pH: 6.8 Preservative: 0.09% Sodium azide Constituents: Tris buffered saline, 0.1% BSA
纯度	Immunogen affinity purified
纯化说明	ab85972 was affinity purified using an epitope specific to B Raf immobilized on solid support.
克隆	多克隆
同种型	IgG

### 应用

The Abpromise guarantee

**Abpromise™** 承诺保证使用ab85972于以下的经测试应用

“应用说明”部分 下显示的仅为推荐的起始稀释度;实际最佳的稀释度/浓度应由使用者检定。

应用	Ab评论	说明
WB		1/2000 - 1/10000. Predicted molecular weight: 85 kDa.
IP		Use at 2-5 µg/mg of lysate.
IHC-P		1/200 - 1/1000. Perform heat mediated antigen retrieval with citrate buffer pH 6 before commencing with IHC staining protocol.

## 靶标

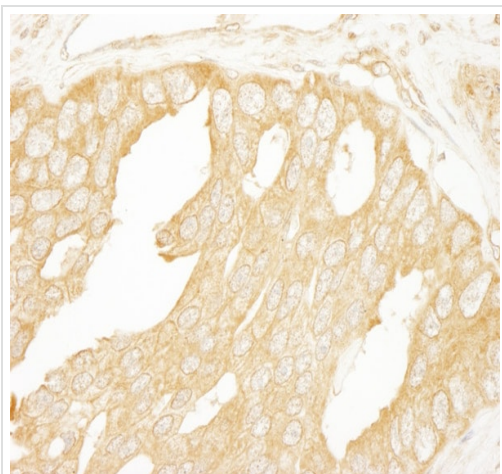
**功能** Involved in the transduction of mitogenic signals from the cell membrane to the nucleus. May play a role in the postsynaptic responses of hippocampal neuron.

**组织特异性** Brain and testis.

**疾病相关** Note=Defects in BRAF are found in a wide range of cancers.  
 Defects in BRAF may be a cause of colorectal cancer (CRC) [MIM:114500].  
 Defects in BRAF are involved in lung cancer (LNCR) [MIM:211980].  
 Defects in BRAF are involved in non-Hodgkin lymphoma (NHL) [MIM:605027]. NHL is a cancer that starts in cells of the lymph system, which is part of the body's immune system. NHLs can occur at any age and are often marked by enlarged lymph nodes, fever and weight loss.  
 Defects in BRAF are a cause of cardiofaciocutaneous syndrome (CFC syndrome) [MIM:115150]; also known as cardio-facio-cutaneous syndrome. CFC syndrome is characterized by a distinctive facial appearance, heart defects and mental retardation. Heart defects include pulmonic stenosis, atrial septal defects and hypertrophic cardiomyopathy. Some affected individuals present with ectodermal abnormalities such as sparse, friable hair, hyperkeratotic skin lesions and a generalized ichthyosis-like condition. Typical facial features are similar to Noonan syndrome. They include high forehead with bitemporal constriction, hypoplastic supraorbital ridges, downslanting palpebral fissures, a depressed nasal bridge, and posteriorly angulated ears with prominent helices. The inheritance of CFC syndrome is autosomal dominant.  
 Defects in BRAF are the cause of Noonan syndrome type 7 (NS7) [MIM:613706]. Noonan syndrome is a disorder characterized by facial dysmorphic features such as hypertelorism, a downward eyeslant and low-set posteriorly rotated ears. Other features can include short stature, a short neck with webbing or redundancy of skin, cardiac anomalies, deafness, motor delay and variable intellectual deficits.  
 Defects in BRAF are the cause of LEOPARD syndrome type 3 (LEOPARD3) [MIM:613707]. LEOPARD3 is a disorder characterized by lentiginosities, electrocardiographic conduction abnormalities, ocular hypertelorism, pulmonic stenosis, abnormalities of genitalia, retardation of growth, and sensorineural deafness.  
 Note=A chromosomal aberration involving BRAF is found in pilocytic astrocytomas. A tandem duplication of 2 Mb at 7q34 leads to the expression of a KIAA1549-BRAF fusion protein with a constitutive kinase activity and inducing cell transformation.

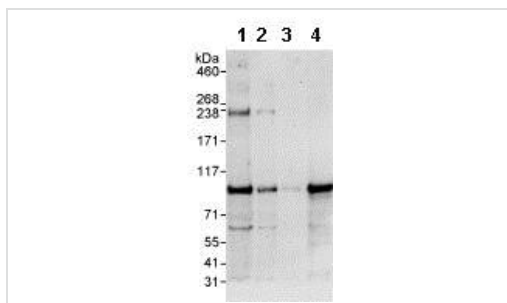
**序列相似性** Belongs to the protein kinase superfamily. TKL Ser/Thr protein kinase family. RAF subfamily.  
 Contains 1 phorbol-ester/DAG-type zinc finger.  
 Contains 1 protein kinase domain.  
 Contains 1 RBD (Ras-binding) domain.

**细胞定位** Nucleus. Cytoplasm. Cell membrane. Colocalizes with RGS14 and RAF1 in both the cytoplasm and membranes.



Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) - Anti-BRAF antibody (ab85972)

Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections) analysis of human prostate carcinoma tissue labelling BRAF with ab85972 at 1/200 (1 µg/ml). Detection: DAB.



Western blot - Anti-BRAF antibody (ab85972)

**All lanes** : Anti-BRAF antibody (ab85972) at 0.04 µg/ml

**Lane 1** : HeLa whole cell lysate

at 50 µg

**Lane 2** : HeLa whole cell lysate

at 15 µg

**Lane 3** : HeLa whole cell lysate

at 5 µg

**Lane 4** : 293T whole cell lysate

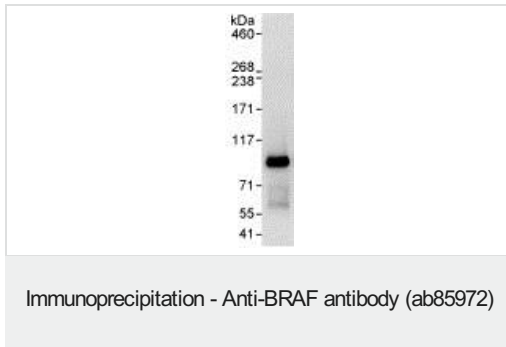
at 50 µg

**Predicted band size:** 85 kDa

**Observed band size:** 95 kDa

**Additional bands at:** 238 kDa, 60 kDa. We are unsure as to the identity of these extra bands.

**Exposure time:** 3 minutes



Detection of B Raf by Western Blot of Immunoprecipitate.  
ab85972 at 1µg/ml staining B Raf in HeLa whole cell lysate  
immunoprecipitated using ab85972 at 3µg/mg lysate (1 mg/IP; 20%  
of IP loaded/lane). Detection: Chemiluminescence with exposure  
time of 10 seconds.

**Please note:** All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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