abcam

Product datasheet

Anti-B Raf antibody [4B2] ab117860

1 References　画像数 2

製品の概要

製品名	Anti-B Raf antibody [4B2]
製品の詳細	Mouse monoclonal [4B2] to B Raf
由来種	Mouse
アプリケーション	**適用あり:** WB
種交差性	**交差種:** Human, Monkey
免疫原	Protein expressed in 293T cells, transfected with Human B Raf expression vector (NM_004333). Run BLAST with ExPASy　Run BLAST with NCBI
ポジティブ・コントロール	HEK293T cells transfected with pCMV6-ENTRY B Raf cDNA, HeLa, HT29, COS7 and Jurkat cells
特記事項	Dilute in PBS (pH7.3) before use.

製品の特性

製品の状態	Liquid
保存方法	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.
バッファー	pH: 7.30 Preservative: 0.02% Sodium azide Constituents: 48% PBS, 1% BSA, 50% Glycerol
精製度	Protein A purified
特記事項（精製）	Purified from mouse ascites fluids by affinity chromatography
ポリ/モノ	モノクローナル
クローン名	4B2
アイソタイプ	IgG2a

アプリケーション

Our Abpromise guarantee covers the use of **ab117860** in the following tested applications.

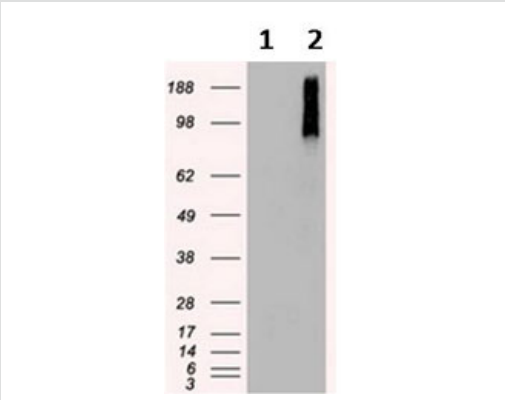
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

アプリケーション	Abreviews	特記事項
WB		1/2000. Predicted molecular weight: 84 kDa.

ターゲット情報

機能	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.
組織特異性	Brain and testis.
関連疾患	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 lentigines, 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.
配列類似性	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.
細胞内局在	Nucleus. Cytoplasm. Cell membrane. Colocalizes with RGS14 and RAF1 in both the cytoplasm and membranes.

画像



Western blot - Anti-B Raf antibody [4B2] (ab117860)

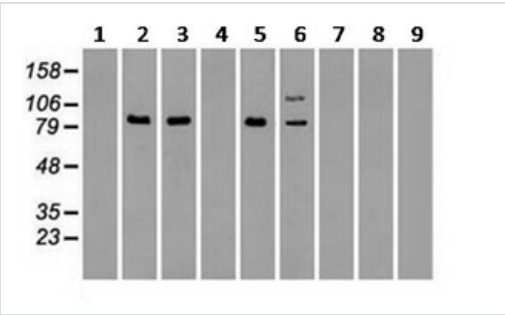
All lanes : Anti-B Raf antibody [4B2] (ab117860) at 1/2000 dilution

Lane 1 : HEK293T cells transfected with pCMV6-ENTRY control
Lane 2 : HEK293T cells transfected with pCMV6-ENTRY B Raf cDNA

Lysates/proteins at 5 µg per lane.

Predicted band size: 84 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC211013)



Western blot - Anti-B Raf antibody [4B2] (ab117860)

All lanes : Anti-B Raf antibody [4B2] (ab117860) at 1/2000 dilution

Lane 1 : HepG2 cell lysate
Lane 2 : HeLa cell lysate
Lane 3 : HT29 cell lysate
Lane 4 : A549 cell lysate
Lane 5 : COS7 cell lysate
Lane 6 : Jurkat cell lysate
Lane 7 : MDCK cell lysate
Lane 8 : PC12 cell lysate
Lane 9 : MCF7 cell lysate

Lysates/proteins at 35 µg per lane.

Predicted band size: 84 kDa

HEK293T cell lysates were generated from transient transfection of the cDNA clone (RC211013)

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