Mouse Anti-Human BRAF Monoclonal Antibody [2H9]

CABT-ZC1084  Mouse(BRAF)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview
Mouse Monoclonal Antibody to Human BRAF molecule

Antigen Description
BRAF is the main effectors recruited by GTP-bound Ras to activate the MEK-MAP kinase pathway. BRAF contains three consensus Akt phosphorylationsites. BRAF is a key regulatory molecule of the mitogen-activated protein kinase kinase, it has a long amino-terminal region the region is essential for homo-dimerization of BRAF and hetero-dimerization of BRAF and CRAF at the plasma membrane.

Target
BRAF

Immunogen
Protein expressed in 293T cell transfected with human BRAF expression vector.

Host
Mouse

Isotype
IgG2b

Species
Human

Clone
2H9

Applications
ELISA,LMNX

PACKAGING

Concentration
0.5~1.0 mg/ml (Lot Dependent)

Buffer
Stored in PBS (pH 7.4) with 0.05% sodium azide, 10mg/ml BSA, 50% glycerol.

Storage
Shipped at 4 °C. Upon delivery store at -20 °C. Dilute in PBS (pH7.3) before use. Stable for 12 months from date of receipt. Avoid repeated freeze-thaws.

ANTIGEN GENE INFORMATION

Gene Name
BRAF v-raf murine sarcoma viral oncogene homolog B1 [ Homo sapiens ]

Official Symbol
BRAF

Synonyms
BRAF; v-raf murine sarcoma viral oncogene homolog B1; serine/threonine-protein kinase B-raf; BRAF1; p94; 94 kDa B-raf protein; proto-oncogene B-Raf; murine sarcoma viral (v-raf) oncogene homolog B1; B-Raf proto-oncogene serine/threonine-protein kinase (p9

GeneID
673

mRNA Refseq
NM_004333

Protein Refseq
NP_004324

MIM
164757

UniProt ID
P15056

Chromosome Location
7q34

Pathway
ARMS-mediated activation; Activation of NMDA receptor upon glutamate binding and postsynaptic events; Acute myeloid leukemia; Acute myeloid leukemia; B Cell Receptor Signaling Pathway; Bladder cancer
**Function**

ATP binding; MAP kinase kinase kinase activity; metal ion binding; mitogen-activated protein kinase kinase binding; nucleotide binding; protein binding; protein heterodimerization activity; protein kinase activity; protein serine/threonine kinase activity; receptor signaling protein activity

**REFERENCES**