



Anti-BRAF (aa 346-445) polyclonal antibody (DPAB-DC2962)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a protein belonging to the raf/mil family of serine/threonine protein kinases. This protein plays a role in regulating the MAP kinase/ERKs signaling pathway, which affects cell division, differentiation, and secretion. Mutations in this gene are associated with cardiofaciocutaneous syndrome, a disease characterized by heart defects, mental retardation and a distinctive facial appearance. Mutations in this gene have also been associated with various cancers, including non-Hodgkin lymphoma, colorectal cancer, malignant melanoma, thyroid carcinoma, non-small cell lung carcinoma, and adenocarcinoma of lung. A pseudogene, which is located on chromosome X, has been identified for this gene.
Immunogen	BRAF (NP_004324, 346 a.a. ~ 445 a.a) partial recombinant protein with GST tag. The sequence is FRPADEDHRNQFGQRDRSSSSAPNVHINTIEPVNIDDLIRDQGFRGDGGSTTGLSATPPAS LPGSLTNVKALQKSPGPQRERKSSSSEDRNRNMKTLGRRD
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	BRAF B-Raf proto-oncogene, serine/threonine kinase [Homo sapiens (human)]
Official Symbol	BRAF
Synonyms	BRAF; B-Raf proto-oncogene, serine/threonine kinase; NS7; BRAF1; RAFB1; B-RAF1; serine/threonine-protein kinase B-raf; 94 kDa B-raf protein; proto-oncogene B-Raf; v-raf murine sarcoma viral oncogene homolog B; v-raf murine sarcoma viral oncogene homolog B1; murine sarcoma viral (v-raf) oncogene homolog B1; B-Raf proto-oncogene serine/threonine-protein kinase (p94);
Entrez Gene ID	673
Protein Refseq	NP_004324
UniProt ID	P15056
Chromosome Location	7q34
Pathway	ARMS-mediated activation; Acute myeloid leukemia; Alcoholism; B Cell Receptor Signaling Pathway
Function	ATP binding; MAP kinase kinase kinase activity; calcium ion binding; identical protein binding