

For Research Use Only

CoraLite® Plus 488-conjugated BRAF Polyclonal antibody



Catalog Number: CL488-20899

Basic Information

Catalog Number: CL488-20899	GenBank Accession Number: BC101757	Purification Method: Antigen affinity purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 673	Recommended Dilutions: IF 1:50-1:500
Source: Rabbit	Full Name: v-raf murine sarcoma viral oncogene homolog B1	Excitation/Emission maximum wavelengths: 493 nm / 522 nm
Isotype: IgG	Calculated MW: 766 aa, 84 kDa	
Immunogen Catalog Number: AG15014	Observed MW: 65-70 kDa	

Applications

Tested Applications: IF	Positive Controls: IF : HeLa cells,
Species Specificity: human, mouse	

Background Information

B-Raf proto-oncogene serine/threonine kinase(BRAF), is a protein belonging to the raf/mil family of serine/threonine protein kinases. BRAF plays a role in regulating the MAP kinase/ERKs signaling pathway, which affects cell division, differentiation, and secretion. BRAF is associated with cardiofaciocutaneous syndrome, a disease characterized by heart defects, mental retardation and a distinctive facial appearance. BRAF is also associated with various cancers, including non-Hodgkin lymphoma, colorectal cancer, malignant melanoma, thyroid carcinoma, non-small cell lung carcinoma, and adenocarcinoma of lung. BRAF plays a role in the PD-1/PDL-1 pathway. In some cancers, BRAF is activated by rearrangements that fuse its kinase domain to 5' partner genes and then has different molecular weights (PMID: 23890088). BRAF has several isoforms, the calculated molecular weight of BRAF is 84 kDa, but the observed molecular weight is about 65 kDa(isoform).

Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

***** 20ul sizes contain 0.1% BSA**

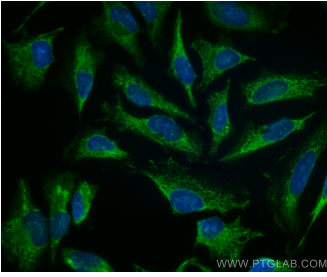
For technical support and original validation data for this product please contact:

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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite® Plus 488 BRAF antibody (CL488-20899) at dilution of 1:200.