

For Research Use Only

# CoraLite® Plus 488-conjugated BRAF Polyclonal antibody



Catalog Number: CL488-20899

## Basic Information

Catalog Number:

CL488-20899

Size:

1000 µg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG15014

GenBank Accession Number:

BC101757

GeneID (NCBI):

673

UNIPROT ID:

P15056

Full Name:

v-raf murine sarcoma viral oncogene homolog B1

Calculated MW:

766 aa, 84 kDa

Observed MW:

65-70 kDa

Purification Method:

Antigen affinity purification

Recommended Dilutions:

IF 1:50-1:500

Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

Tested Applications:

IF/ICC

Species Specificity:

human, mouse

Positive Controls:

IF : HeLa cells,

## 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

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

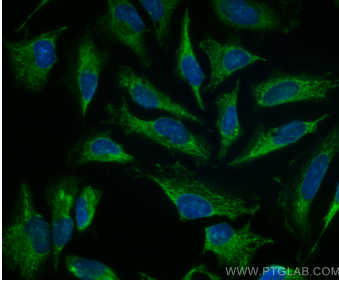
T: 4006900926

E: Proteintech-CN@ptglab.com

W: ptgcn.com

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## 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.