

For Research Use Only

# CoraLite® Plus 647-conjugated EZH2 Polyclonal antibody



Catalog Number: CL647-21800

Featured Product

## Basic Information

Catalog Number:

CL647-21800

Size:

100ul , Concentration: 1000 µg/ml by 2146

Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG16789

GenBank Accession Number:

BC010858

GeneID (NCBI):

2146

UNIPROT ID:

Q15910

Full Name:

enhancer of zeste homolog 2

(Drosophila)

Calculated MW:

751 aa, 86 kDa

Observed MW:

90-102 kDa

Purification Method:

Antigen affinity purification

Excitation/Emission maxima

wavelengths:

654 nm / 674 nm

## Applications

Tested Applications:

FC (Intra)

Species Specificity:

human, mouse, rat

## Background Information

EZH2 (enhancer of zeste homologue 2, also known as KMT6) is a member of Polycomb group (PcG) family and encodes a histone methyl transferase that has an essential role in promoting histone H3 lysine 27 trimethylation (H3K27me3) and epigenetic gene silencing. EZH2 is important for cell proliferation and inhibition of cell differentiation, and is implicated in cancer progression. Overexpression of EZH2 is a marker of advanced and metastatic disease in many solid tumors, including prostate and breast cancer. This antibody detected EZH2 protein as a single band with a molecular weight (MW) of 91-100 kDa in multiple cell lines. The phosphorylation may result in the higher molecular weight (calculated MW as 80-86 kDa). (20935635, 21367748)

## 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

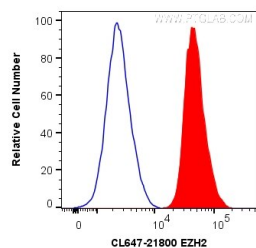
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1X10<sup>6</sup> HepG2 cells were intracellularly stained with 0.2 ug CoraLite® Plus 647 Anti-Human EZH2 (CL647-21800) (red), or 0.2 ug 0.2 ug CL647 rabbit Isotype Control (blue). Cells were fixed and permeabilized with Transcription Factor Staining Buffer Kit (PF00011).