

For Research Use Only

# CoraLite® Plus 488-conjugated KEAP1 Polyclonal antibody



Catalog Number: CL488-10503

Featured Product

## Basic Information

<b>Catalog Number:</b> CL488-10503	<b>GenBank Accession Number:</b> BC002930	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ul , Concentration: 1000 µg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9817	<b>Recommended Dilutions:</b> IF 1:50-1:500
<b>Source:</b> Rabbit	<b>Full Name:</b> kelch-like ECH-associated protein 1	<b>Excitation/Emission maxima wavelengths:</b> 488 nm / 515 nm
<b>Isotype:</b> IgG	<b>Calculated MW:</b> 624 aa, 70 kDa	
<b>Immunogen Catalog Number:</b> AG0779	<b>Observed MW:</b> 70 kDa	

## Applications

**Tested Applications:**  
IF

**Positive Controls:**

**Species Specificity:**  
human, mouse, rat

IF : human breast cancer tissue,

## Background Information

KEAP1, also named as INRF2, KIAA0132 and KLHL19, is part of a multiprotein complex that contains the CUL3-ROC1 ubiquitin ligase, which can ubiquitinate the N-terminal domain of NRF2[PMID: 20173742]. Two molecules of KEAP1 bind to two distinct sites in the N-terminal region of NRF2, the ETGE and DLG sites, which affect the KEAP1-NRF2 interaction and/or its physiological consequences[PMID: 22215675]. KEAP1 retains NFE2L2/NRF2 in the cytosol. It functions as substrate adapter protein for the E3 ubiquitin ligase complex formed by CUL3 and RBX1[PMID: 20427290]. It also retains BPTF in the cytosol. This antibody is a rabbit polyclonal antibody raised against residues near the C terminus of human KEAP1.

Read more about this antibody on the blog:<http://blog.ptglab.com/index.php/nsclc-research-anti-keap1-antibody-helps-uncover-targets-biomarker-potential/>

## Storage

**Storage:**

Store at -20°C. Avoid exposure to light.

**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

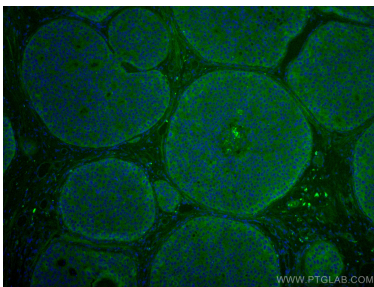
For technical support and original validation data for this product please contact:

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## Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed human breast cancer tissue using CoraLite® Plus 488 KEAP1 antibody (CL488-10503) at dilution of 1:200.