For Research Use Only

CoraLite® Plus 647-conjugated Cytokeratin 8 Polyclonal antibody

Catalog Number:CL647-10384

proteintech®
Antibodies | ELISA kits | Proteins
www.ptglab.com

Basic Information

Catalog Number:
CL647-10384

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG0488

GenBank Accession Number:
BC000654

GeneID (NCBI):
3856

UNIPROT ID:
P05787

Full Name:
keratin 8

Calculated MW:
54 kDa

Observed MW:
52 kDa

Purification Method:
Antigen affinity Purification

Recommended Dilutions:
IF/ICC: 1:50-1:500

Excitation/Emission maxima wavelengths:
654 nm / 674 nm

Applications

Tested Applications:
IF/ICC

Species Specificity:
human, mouse, rat

Positive Controls:

IF/ICC : HeLa cells, A431 cells

Background Information

Cytokeratin 8 (CK8) is a protein that belongs to the cytokeratin family, which is a group of structural proteins found in the intracytoplasmic cytoskeleton of epithelial cells. CK8 forms intermediate filaments within the cytoplasm of simple epithelial cells, typically as a dimer with cytokeratin 18 (CK18). These filaments provide a stabilizing framework that helps determine cell shape and enables cells to cope with mechanical stress. CK8/CK18 filaments also serve as a mesh of "paths" for signaling molecules, metabolites, and pathogens to travel within the cell in an organized manner. CK8 is expressed in various epithelial tissues and is particularly associated with glandular and simple epithelia. Its expression is also a significant marker in several types of cancer, including lung and esophageal cancer, where it can indicate tumor progression and poor prognosis.

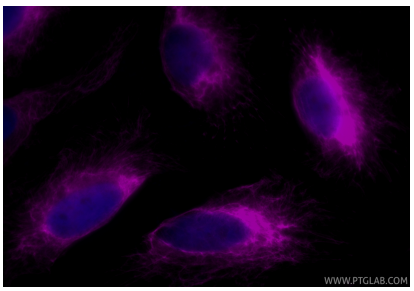
Storage

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

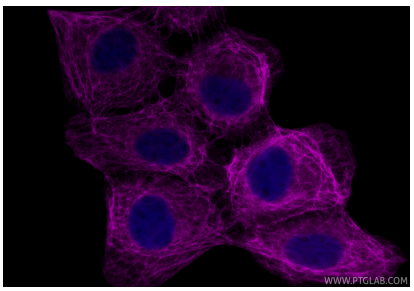
For technical support and original validation data for this product please contact:
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using CoraLite® Plus 647 Cytokeratin 8 antibody (CL647-10384) at dilution of 1:200.



Immunofluorescent analysis of (-20°C Methanol) fixed A431 cells using CoraLite® Plus 647 Cytokeratin 8 antibody (CL647-10384) at dilution of 1:200.