

For Research Use Only

Cytokeratin 15 Monoclonal antibody

Catalog Number: 60247-1-Ig

1 Publications



Basic Information

Catalog Number:

60247-1-Ig

Size:

1629 μ g/ml

Source:

Mouse

Isotype:

IgG1

Immunogen Catalog Number:

AG0185

GenBank Accession Number:

BC002641

GeneID (NCBI):

3866

UNIPROT ID:

P19012

Full Name:

keratin 15

Calculated MW:

49 kDa

Observed MW:

49 kDa

Purification Method:

Protein A purification

CloneNo.:

6B4F8

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:100-1:1000

IF 1:10-1:100

Applications

Tested Applications:

FC, IF/ICC, IHC, WB, ELISA

Cited Applications:

IF

Species Specificity:

human, mouse

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

WB : A431 cells,

IHC : human oesophagus cancer tissue, human skin cancer tissue

IF : HeLa cells,

Background Information

Keratins are a large family of proteins that form the intermediate filament cytoskeleton of epithelial cells. Keratin expression is highly regulated, tissue specific, and varies according to cell-state. Type I keratins consist of acidic, low molecular weight proteins with MW ranging from 40 kDa (KRT19) to 64 kDa (KRT9). Type 2 keratins consist of basic or neutral, high molecular weight proteins with MW from 52 kDa (KRT8) to 67 kDa (KRT18). Keratin 15 is a type I cytokeratin. It is found in some progenitor basal cells within complex epithelia.

Notable Publications

Author	Pubmed ID	Journal	Application
Jiali Li	36388171	Oxid Med Cell Longev	IF

Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

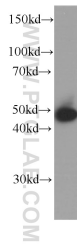
T: 4006900926

E: Proteintech-CN@ptglab.com

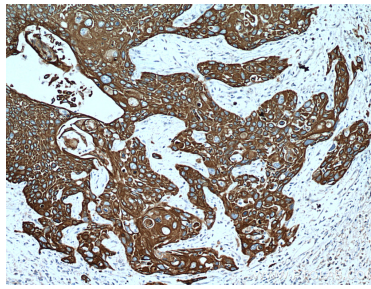
W: ptgcn.com

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

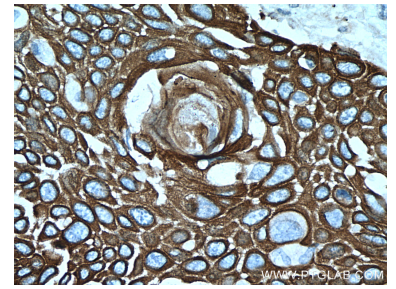
Selected Validation Data



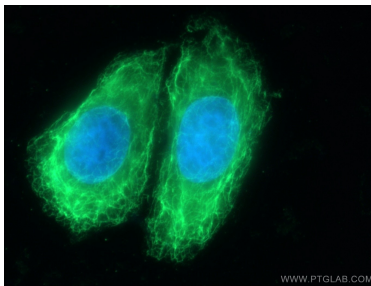
A431 cells were subjected to SDS PAGE followed by western blot with 60247-1-Ig (Cytokeratin 15 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



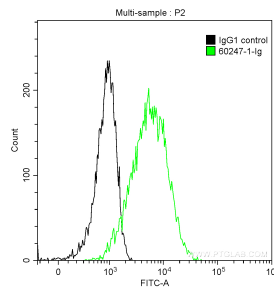
Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 60247-1-Ig (Cytokeratin 15 antibody at dilution of 1:500 (under 10x lens).



Immunohistochemical analysis of paraffin-embedded human oesophagus cancer tissue slide using 60247-1-Ig (Cytokeratin 15 antibody at dilution of 1:500 (under 40x lens).



Immunofluorescent analysis of (-20°C Ethanol) fixed HeLa cells using Cytokeratin 15 antibody (60247-1-Ig, Clone: 6B4F8) at dilution of 1:25 and CoraLite488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L).



1X10⁶ A431 cells were intracellularly stained with 0.2 ug Anti-Human Cytokeratin 15 (60247-1-Ig, Clone:6B4F8) and CoraLite®488-Conjugated AffiniPure Goat Anti-Mouse IgG(H+L) at dilution 1:1000 (green), and 0.2 ug Control Antibody. Cells were fixed with 90% MeOH.