

For Research Use Only

Cytokeratin 19 Monoclonal ANTIBODY



Catalog Number: 60187-1-Ig

Featured Product

1 Publications

Basic Information

Catalog Number:

60187-1-Ig

Size:

150UL, Concentration: 1133 µg/ml by 3880
Bradford method using BSA as the
standard;

Source:

Mouse

Isotype:

IgG2b

Immunogen Catalog Number:

AG7407

GenBank Accession Number:

BC002539

GeneID (NCBI):

3880

Full Name:

keratin 19

Calculated MW:

44 kDa

Observed MW:

48 kDa

Purification Method:

Protein A purification

CloneNo.:

3G1E4

Recommended Dilutions:

WB 1:500-1:2000

IHC 1:1000-1:51200

Applications

Tested Applications:

IHC, WB, ELISA

Cited Applications:

WB

Species Specificity:

human

Cited Species:

human

**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: MCF-7 cells, HeLa cells

IHC: human colon tissue, human lung cancer tissue,
human stomach cancer tissue, human breast cancer
tissue, human thyroid cancer tissue

Background Information

The keratins are intermediate filament proteins responsible for the structural integrity of epithelial cells. KRT19, one of type I keratins, is specifically expressed in the periderm, the transiently superficial layer that envelopes the developing epidermis. Due to its high sensitivity, KRT19 is the most used marker for detection of tumor cells disseminated in lymph nodes, peripheral blood, and bone marrow of breast cancer patients. This antibody, generated against full length KRT19 protein, also recognizes KRT17, another type I keratin homologous to KRT19. KRT17 is used as a marker for trauma.

Notable Publications

Author	Pubmed ID	Journal	Application
Qiu-Zhong Pan	25267273	Stem Cells	WB

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

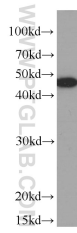
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free
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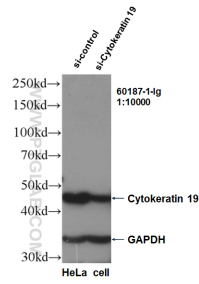
E: proteintech@ptglab.com
W: ptglab.com

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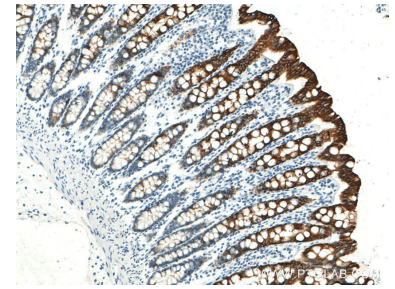
Selected Validation Data



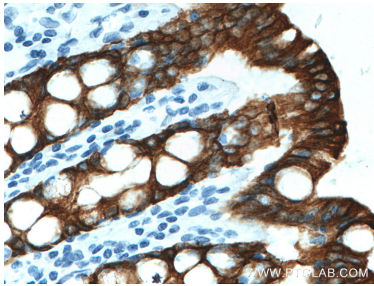
MCF-7 cells were subjected to SDS PAGE followed by western blot with 60187-1-Ig (Cytokeratin 19 antibody) at dilution of 1:1500 incubated at room temperature for 1.5 hours.



WB result of KRT19 antibody (60187-1-Ig, 1:10,000) with si-Control and si-KRT19 transfected HeLa cells.



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 60187-1-Ig (Cytokeratin 19 antibody) at dilution of 1:51200 (under 10x Lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).



Immunohistochemical analysis of paraffin-embedded human colon tissue slide using 60187-1-Ig (Cytokeratin 19 antibody) at dilution of 1:51200 (under 40x Lens. Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).