

For Research Use Only

MPEG1 Polyclonal antibody, PBS Only

Catalog Number: 23960-1-PBS



Basic Information

Catalog Number:

23960-1-PBS

Size:

100ug, Concentration: 1 mg/ml by Nanodrop;

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG21055

GenBank Accession Number:

BC104997

GeneID (NCBI):

219972

UNIPROT ID:

Q2M385

Full Name:

macrophage expressed 1

Calculated MW:

716 aa, 79 kDa

Observed MW:

70 kDa

Purification Method:

Antigen Affinity purified

Applications

Tested Applications:

WB, IHC, ELISA

Species Specificity:

human, mouse, rat

Background Information

MPEG1 (macrophage-expressed gene 1), also known as perforin-2, is a pore-forming protein of the membrane attack complex/perforin (MACPF) superfamily. Predominantly expressed in macrophages and leukocytes, it is upregulated by proinflammatory signals such as TNF- α and LPS. MPEG1 localizes to phagosomes and lysosomes, where it breaches bacterial membranes to facilitate antimicrobial defense and antigen cross-presentation. (PMID: 26402460)

Storage

Storage:

Store at -80°C.

Storage Buffer:

PBS only, pH7.3

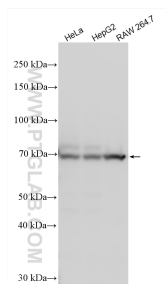
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

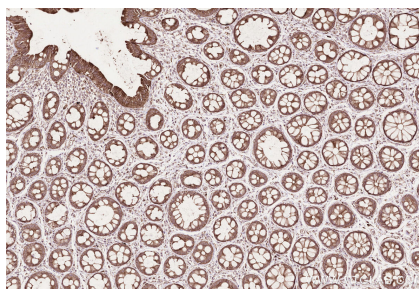
E: proteintech@ptglab.com
W: ptglab.com

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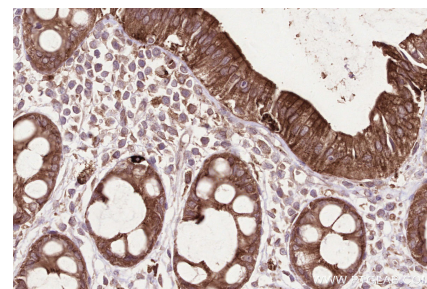
Selected Validation Data



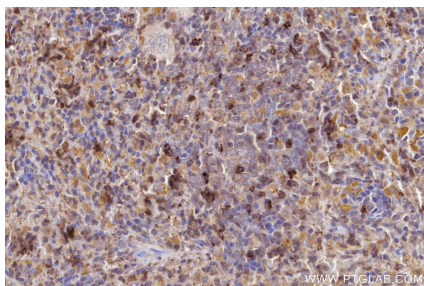
Various lysates were subjected to SDS PAGE followed by western blot with 23960-1-AP (MPEG1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 23960-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human rectal cancer tissue slide using 23960-1-AP (MPEG1 antibody) at dilution of 1:1000 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 23960-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human rectal cancer tissue slide using 23960-1-AP (MPEG1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 23960-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded rat spleen tissue slide using 23960-1-AP (MPEG1 antibody) at dilution of 1:1000 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 23960-1-PBS in a different storage buffer formulation.