For Research Use Only

MPEG1 Polyclonal antibody

Catalog Number:23960-1-AP

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Basic Information

Catalog Number:
23960-1-AP

Size:
150ul , Concentration: 750 ug/ml by Nanodrop and 360 ug/ml by Bradford method using BSA as the standard;

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

Recommended Dilutions:
WB: 1:500-1:2000
IHC: 1:500-1:2000

Applications

Tested Applications:
WB, IHC, ELISA

Species Specificity:
human, mouse, rat

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 : HeLa cells, HepG2 cells, RAW 264.7 cells

IHC : human rectal cancer tissue, rat brain tissue, rat spleen tissue

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

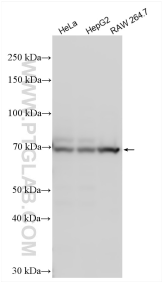
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

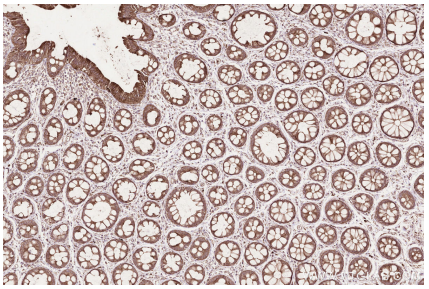
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

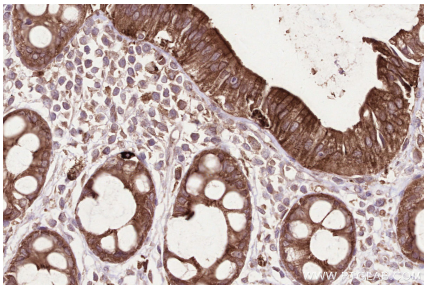
Selected Validation Data



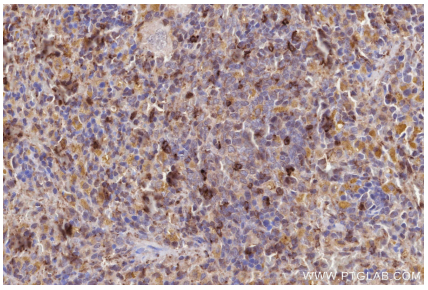
Various lysates were subjected to SDS PAGE followed by western blot with 23960-1-AP (MPEG1 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours.



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).



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).



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).