

MPEG1 antibody - middle region
Rabbit Polyclonal Antibody
Catalog # AI13656**Specification**

MPEG1 antibody - middle region - Product Information

Application	WB
Primary Accession	Q2M385
Other Accession	NM_001039396 , NP_001034485
Reactivity	Human
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	78kDa KDa

MPEG1 antibody - middle region - Additional Information**Gene ID** 219972**Alias Symbol** **MGC132657, MGC138435, MPG1, MPS1, Mpg-1****Other Names**

Macrophage-expressed gene 1 protein, Macrophage gene 1 protein, Mpg-1, MPEG1

Format

Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.

Reconstitution & Storage

Add 50 ul of distilled water. Final anti-MPEG1 antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.

Precautions

MPEG1 antibody - middle region is for research use only and not for use in diagnostic or therapeutic procedures.

MPEG1 antibody - middle region - Protein Information**Name** MPEG1 {ECO:0000303|PubMed:28422754, ECO:0000312|HGNC:HGNC:29619}**Function**

Pore-forming protein involved in both innate and adaptive immunity (PubMed:23753625, PubMed:26402460, PubMed:28422754, PubMed:30609079, PubMed:31537793, PubMed:33224153). Plays a central role in antigen cross-presentation in dendritic cells by forming a pore in antigen-containing

compartments, thereby promoting delivery of antigens for cross-presentation (By similarity). Also involved in innate immune response following bacterial infection; shows antibacterial activity against a wide spectrum of Gram-positive, Gram-negative and acid-fast bacteria (PubMed:23753625, PubMed:26402460, PubMed:28422754, PubMed:30609079, PubMed:33224153). Reduces the viability of the intracytosolic pathogen *L.monocytogenes* by inhibiting acidification of the phagocytic vacuole of host cells which restricts bacterial translocation from the vacuole to the cytosol (By similarity). Required for the antibacterial activity of reactive oxygen species and nitric oxide (By similarity).

Cellular Location

[Isoform 1]: Cytoplasmic vesicle membrane; Multi-pass membrane protein. Note=Bacterial infection induces translocation of the cytoplasmic vesicles to bacterium-containing phagocytic vesicles and fusing of the vesicles [Isoform 2]: Secreted

Tissue Location

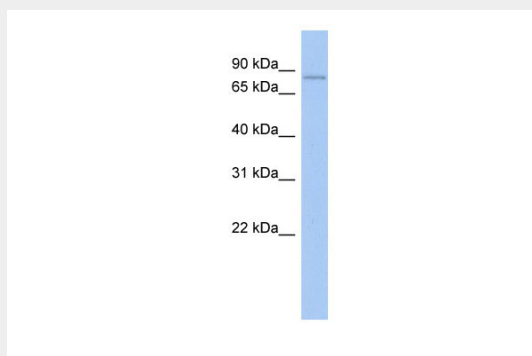
Expressed constitutively in a variety of cell types including macrophages, natural killer cells, neutrophils, keratinocytes and monocytes (PubMed:26402460, PubMed:28705375, PubMed:7888681). In skin, expressed in both hematopoietic and non-hematopoietic cells with expression detected in a variety of cell types including keratinocytes, fibroblasts and endothelial cells (PubMed:30609079)

MPEG1 antibody - middle region - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MPEG1 antibody - middle region - Images



WB Suggested Anti-MPEG1 Antibody Titration: 0.2-1 µg/ml
ELISA Titer: 1:62500

Positive Control: Human Spleen

MPEG1 antibody - middle region - References

Ota T.,et al.Nat. Genet. 36:40-45(2004).

Mural R.J.,et al.Submitted (JUL-2005) to the EMBL/GenBank/DDBJ databases.

Spilsbury K.,et al.Blood 85:1620-1629(1995).