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# IMMT Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP20716c

## Product Information

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| **Application** | WB, E |
| **Primary Accession** | Q16891 |
| **Reactivity** | Human |
| **Predicted** | Bovine |
| **Host** | Rabbit |
| **Clonality** | Polyclonal |
| **Isotype** | Rabbit IgG |
| **Clone Names** | RB49836 |
| **Calculated MW** | 83678 |

## Additional Information

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| **Gene ID** | 10989 |
| **Other Names** | MICOS complex subunit MIC60, Cell proliferation-inducing gene 4/52 protein, Mitochondrial inner membrane protein, Mitofilin, p87/89, IMMT, HMP, MIC60, MINOS2 |
| **Target/Specificity** | This IMMT antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 170-203 amino acids from the Central region of human IMMT. |
| **Dilution** | WB~~1:1000 E~~Use at an assay dependent concentration. |
| **Format** | Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification. |
| **Storage** | Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles. |
| **Precautions** | IMMT Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures. |

## Protein Information

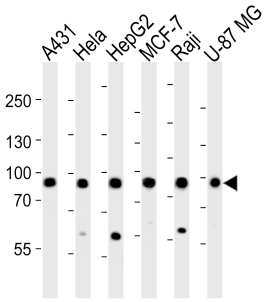
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|---|---|
| **Name** | IMMT |
| **Synonyms** | HMP, MIC60, MINOS2 |
| **Function** | Component of the MICOS complex, a large protein complex of the |

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| | mitochondrial inner membrane that plays crucial roles in the maintenance of crista junctions, inner membrane architecture, and formation of contact sites to the outer membrane (PubMed:22114354, PubMed:25781180, PubMed:32567732, PubMed:33130824). Plays an important role in the maintenance of the MICOS complex stability and the mitochondrial cristae morphology (PubMed:22114354, PubMed:25781180, PubMed:32567732, PubMed:33130824). |
| **Cellular Location** | Mitochondrion inner membrane; Single-pass membrane protein. Mitochondrion |

## References


Icho T.,et al.Gene 144:301-306(1994).
Gieffers C.,et al.Exp. Cell Res. 232:395-399(1997).
Ebert L.,et al.Submitted (JUN-2004) to the EMBL/GenBank/DDBJ databases.
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Kim J.W.,et al.Submitted (FEB-2005) to the EMBL/GenBank/DDBJ databases.


## Images




Western blot analysis of lysates from A431, Hela, HepG2, MCF-7, Raji, U-87 MG cell line (from left to right), using IMMT Antibody (Center)(Cat. #AP20716c). AP20716c was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L(HRP) at 1:5000 dilution was used as the secondary antibody. Lysates at 35ug per lane.


Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.