

**MIA2 Polyclonal Antibody**  
**Catalog # AP73962****Specification****MIA2 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">Q96PC5</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

**MIA2 Polyclonal Antibody - Additional Information****Gene ID** 4253**Other Names**

Melanoma inhibitory activity protein 2

**Dilution**

WB~~WB 1:500-2000, ELISA 1:10000-20000

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**MIA2 Polyclonal Antibody - Protein Information****Name** MIA2 ([HGNC:18432](#))**Function**

Plays a role in the transport of cargos that are too large to fit into COPII-coated vesicles and require specific mechanisms to be incorporated into membrane-bound carriers and exported from the endoplasmic reticulum (PubMed:<a href="http://www.uniprot.org/citations/21525241" target="\_blank">21525241</a>, PubMed:<a href="http://www.uniprot.org/citations/25202031" target="\_blank">25202031</a>, PubMed:<a href="http://www.uniprot.org/citations/27138255" target="\_blank">27138255</a>, PubMed:<a href="http://www.uniprot.org/citations/27170179" target="\_blank">27170179</a>). Plays a role in the secretion of lipoproteins, pre-chylomicrons and pre-VLDLs, by participating in their export from the endoplasmic reticulum (PubMed:<a href="http://www.uniprot.org/citations/27138255" target="\_blank">27138255</a>). Thereby, may play a role in cholesterol and triglyceride homeostasis (By similarity). Required for collagen VII (COL7A1) secretion by loading COL7A1 into transport carriers and recruiting PREB/SEC12 at the endoplasmic reticulum exit sites (PubMed:<a href="http://www.uniprot.org/citations/21525241" target="\_blank">21525241</a>, PubMed:<a href="http://www.uniprot.org/citations/25202031" target="\_blank">25202031</a>, PubMed:<a href="http://www.uniprot.org/citations/27170179" target="\_blank">27170179</a>).

### Cellular Location

Endoplasmic reticulum membrane; Single-pass membrane protein. Note=Localizes to endoplasmic reticulum exit sites (ERES), also known as transitional endoplasmic reticulum (tER).

### Tissue Location

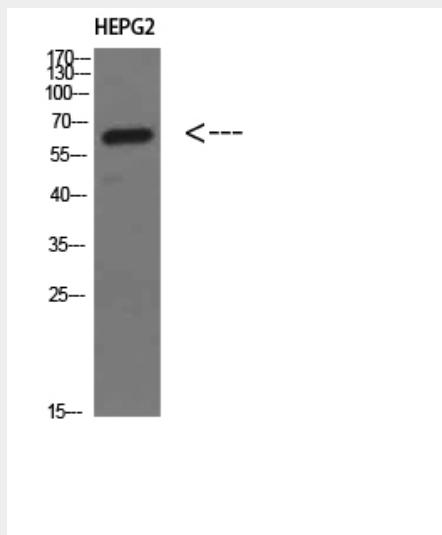
Highly expressed in liver and weakly in testis. Expression was higher in patients with severe fibrosis or inflammation and chronic hepatitis (PubMed:12586826). Isoform 1 is specifically expressed in lung, testis, small intestine, colon, pancreas, kidney, liver and prostate (PubMed:27138255). Isoform 8 is expressed only in testis (at the protein level). Isoform 8 (at protein level) and isoform 9 are expressed in cutaneous T-cell lymphoma (CTCL) cell lines, colorectal carcinomas, breast carcinomas and melanoma. Isoform 9, but not isoform 5A, is expressed in head and neck squamous cell carcinoma (PubMed:12839582).

### MIA2 Polyclonal Antibody - Protocols

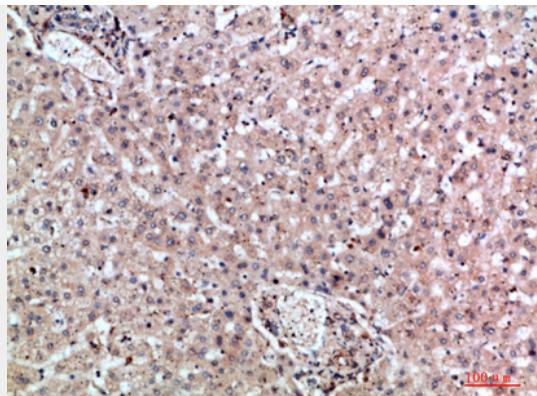
Provided below are standard protocols that you may find useful for product applications.

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

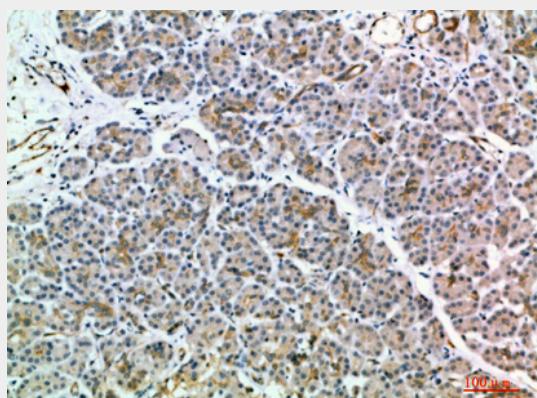
### MIA2 Polyclonal Antibody - Images



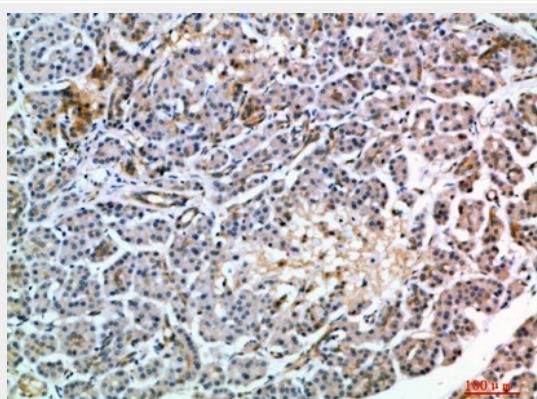
Western Blot analysis of HEPG2 cells using MIA2 Polyclonal Antibody diluted at 1:500. Secondary antibody was diluted at 1:20000



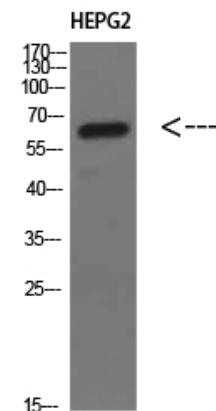
Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:200



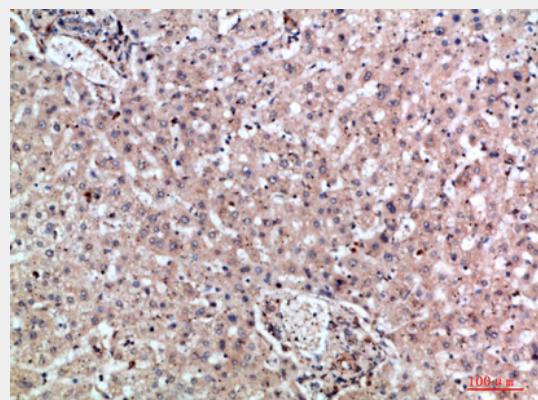
Immunohistochemical analysis of paraffin-embedded human-pancreas, antibody was diluted at 1:200



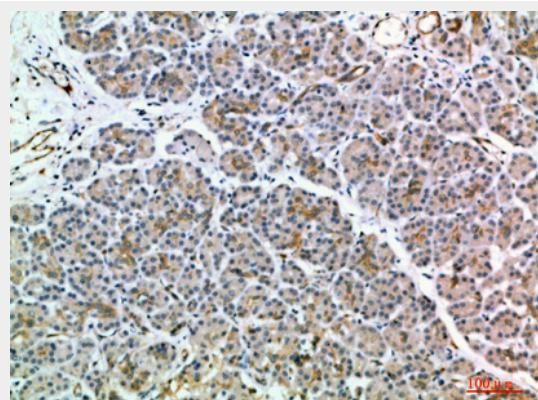
Immunohistochemical analysis of paraffin-embedded human-pancreas, antibody was diluted at 1:200



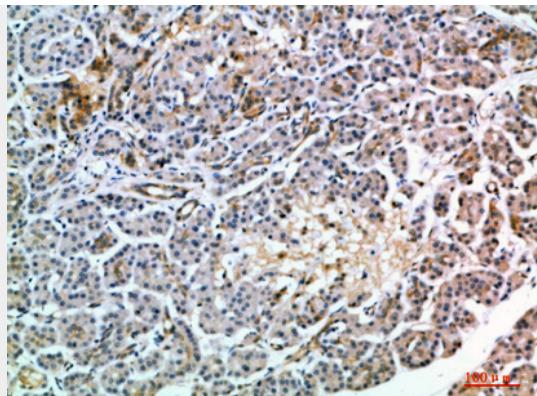
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Immunohistochemical analysis of paraffin-embedded human-liver, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-pancreas, antibody was diluted at 1:200



Immunohistochemical analysis of paraffin-embedded human-pancreas, antibody was diluted at 1:200

### **MIA2 Polyclonal Antibody - Background**

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