

For Research Use Only

# MIER3 Polyclonal antibody

Catalog Number: 17543-1-AP **1 Publications**



## Basic Information

|   |  |  |
|---|--|--|
| <b>Catalog Number:</b><br>17543-1-AP        | <b>GenBank Accession Number:</b><br>BC041348                                 | <b>Purification Method:</b><br>Antigen affinity purification |
| <b>Size:</b><br>300 µg/ml                   | <b>GeneID (NCBI):</b><br>166968  | <b>Recommended Dilutions:</b><br>WB 1:500-1:1000             |
| <b>Source:</b><br>Rabbit                    | <b>UNIPROT ID:</b><br>Q7Z3K6   |  |
| <b>Isotype:</b><br>IgG                      | <b>Full Name:</b><br>mesoderm induction early response 1,<br>family member 3 |  |
| <b>Immunogen Catalog Number:</b><br>AG11604 | <b>Calculated MW:</b><br>522 aa, 59 kDa                                      |  |
|   | <b>Observed MW:</b><br>55 kDa  |  |

## Applications

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|--|--|
| <b>Tested Applications:</b><br>WB, ELISA         | <b>Positive Controls:</b><br>WB : mouse uterus tissue, |
| <b>Cited Applications:</b><br>WB                 |  |
| <b>Species Specificity:</b><br>human, mouse, rat |  |
| <b>Cited Species:</b><br>mouse                   |  |

## Background Information

The mesoderm induction early response (MIER) protein family is known as fibroblast growth factor (FGF)-regulated immediate-early protein family. Activated by FGF, MIER proteins may have a pivotal role in FGF-regulated cellular activities, indicating a potential influence in the progression of certain cancers [PMID:15117948]. MIER3 localizes to the nucleus and primarily functions as a transcriptional repressor. Rat mammary carcinoma susceptibility 1b (Mcs1b) is a quantitative trait locus on RNO2 that confers decreased susceptibility when Copenhagen (COP)-resistant alleles are introgressed into a Wistar Furth (WF)-susceptible genome. MIER3 is a candidate Mcs1b gene [PMID:22993404].

## Notable Publications

| Author        | Pubmed ID | Journal       | Application |
|---------------|-----------|---------------|-------------|
| Shih-Wei Chen | 23354120  | Mitochondrion | WB          |

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol pH 7.3.  
Aliquoting is unnecessary for -20°C storage

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

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## Selected Validation Data



mouse uterus tissue were subjected to SDS PAGE followed by western blot with 17543-1-AP (MIER3 antibody) at dilution of 1:300 incubated at room temperature for 1.5 hours.