

For Research Use Only

MIER3 Polyclonal antibody

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



Basic Information

Catalog Number: 17543-1-AP	GenBank Accession Number: BC041348	Purification Method: Antigen affinity purification
Size: 150ul , Concentration: 300 µg/ml by Nanodrop and 180 µg/ml by Bradford method using BSA as the standard;	GeneID (NCBI): 166968	Recommended Dilutions: WB 1:500-1:1000
Source: Rabbit	Full Name: mesoderm induction early response 1, family member 3	
Isotype: IgG	Calculated MW: 522 aa, 59 kDa	
Immunogen Catalog Number: AG11604	Observed MW: 55 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : mouse uterus tissue,
Cited Applications: WB	
Species Specificity: human, mouse, rat	
Cited Species: 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

*** 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)
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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.