

MIER3 Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP57320**Specification**

MIER3 Polyclonal Antibody - Product Information

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q7Z3K6
Reactivity	Rat, Pig, Baboon, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61 KDa
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human MIER3
Epitope Specificity	401-500/550
Isotype	IgG
Purity	
affinity purified by Protein A	
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Nucleus; Cytoplasm
SIMILARITY	Contains 1 ELM2 domain. Contains 1 SANT domain.
SUBUNIT	Interacts with HDAC1. Part of a complex containing at least CDYL, MIER1, MIER2, HDAC1 and HDAC2.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

Background Descriptions

The mesoderm induction early response (MIER) protein family (also known as the fibroblast growth factor (FGF)-regulated immediate-early protein family) comprises a group of proteins that are activated by FGF (fibroblast growth factor). This suggests that MEIR proteins may play a significant role in FGF-regulated cellular activities and in the progression of certain cancers. MIER proteins contain one SANT domain, which is involved in transcriptional activation and repression, and one ELM2 domain, which was first characterized in *egl-27*, a gene that is critically involved in embryonic patterning of *C. elegans*. MIER1, formerly known as early response 1 (ER1), was first cloned and characterized in *Xenopus*. Expression of MIER1 is negligible in most normal tissues, but has been found to be upregulated in breast carcinoma cell lines and tumors. MIER1 functions as a transcriptional repressor of a number of genes including Sp1 target genes, most likely through interaction with HDAC1.

MIER3 Polyclonal Antibody - Additional Information**Gene ID** 166968**Other Names**

Mesoderm induction early response protein 3, Mi-er3, MIER3

Target/Specificity

Ubiquitously expressed, but at very low levels. However, consistent level of expression are observed in heart, testis, thyroid, ovary and adrenal gland. Transcripts are up-regulated in breast carcinoma cell lines and tumor.

Dilution

IHC-P~~N/A<br \>IHC-F~~N/A<br \>IF~~1:50~200<br \>ICC~~N/A<br \>E~~N/A

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

MIER3 Polyclonal Antibody - Protein Information

Name MIER3

Function

Transcriptional repressor.

Cellular Location

Nucleus {ECO:0000255|PROSITE-ProRule:PRU00512, ECO:0000255|PROSITE-ProRule:PRU00624}

MIER3 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](#)

MIER3 Polyclonal Antibody - Images