

MIER3 Rabbit pAb

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Catalog # AP57320

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession Predicted	Q7Z3K6 Rat, Pig, Dog, Baboon, Orangutan, Gorilla, Human, Mouse, Rabbit, Chicken, Horse, Sheep
Host	Rabbit
Clonality	Polyclonal
Calculated MW	61437
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
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 <i>C. elegans</i> . MIER1, formerly known as early response 1 (ER1), was first cloned and characterized in <i>Xenopus</i> . 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.

Additional Information

Gene ID	166968
Other Names	Mesoderm induction early response protein 3, Mi-er3, MIER3
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500,ELISA=1:5000-10000
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.

Protein Information

Name	MIER3
Function	Transcriptional repressor.
Cellular Location	Nucleus {ECO:0000255 PROSITE-ProRule:PRU00512, ECO:0000255 PROSITE-ProRule:PRU00624}

Background

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