

Rabbit MIER1 Polyclonal Antibody | anti-MIER1 antibody

MIER1 Antibody (Center)

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA284792	Rabbit	Human (Predicted Reactivity: Mouse)	Flow Cytometry, Functional Assay, Immunoprecipitation, Immunofluorescence, Immunohistochemistry, Dot Blot, ELISA, Western Blot

PRODUCT SYNONYMS

MIER1; Polyclonal Antibody; MIER1 Antibody (Center); Mesoderm induction early response protein 1; Early response 1; Er1; Mi-er1; hMi-er1; KIAA1610; anti-MIER1 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human (Predicted Reactivity: Mouse)
Clonality	Polyclonal
Isotype	Rabbit Ig
Specificity	This MIER1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 214-242 amino acids from the Central region of human MIER1.
Purity/Purification	Peptide Affinity Purified Rabbit Polyclonal Antibody (Pab)
Form/Format	Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.
Sequence Positions	214-242
Sequence Length	81
Applicable Applications for anti-MIER1 antibody	FCM/FACS (Flow Cytometry), IP (Immunoprecipitation), IF (Immunofluorescence), IHC (Immunohistochemistry), DB (Dot Blot), ELISA, WB (Western Blot)
Antigen Type	Synthetic Peptide
Antigen Source	Human
Function	Transcriptional repressor regulating the expression of a number of genes including SP1 target genes. Probably functions through recruitment of HDAC1 a histone deacetylase involved in chromatin silencing.
Cellular location	[Isoform 1] Nucleus.[Isoform3]: Nucleus.[Isoform 5]: Cytoplasm.
Tissue location	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.
Preparation and Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20 degree C in small aliquots to prevent freeze-thaw cycles.

IMAGES



WB (Western Blot)
MIER1 Antibody (Center) western blot analysis in NCI-H460 cell line lysates (35ug/lane). This demonstrates the MIER1 antibody detected the MIER1 protein (arrow).

ADDITIONAL INFORMATION

Related Product Information for anti-MIER1 antibody	Transcriptional repressor of a number of genes including Sp1 target genes.
References	McCarthy, P.L., et al. Br. J. Cancer 99(4):639-646(2008) Olsen, J.V., et al. Cell 127(3):635-648(2006) Olsen, J.V., et al. Cell 127(3):635-648(2006) Nousiainen, M., et al. Proc. Natl. Acad. Sci. U.S.A. 103(14):5391-5396(2006) Beausoleil, S.A., et al. Proc. Natl. Acad. Sci. U.S.A. 101(33):12130-12135(2004)

NCBI AND UNIPROT INFORMATION

NCBI GI #	225735607
NCBI GeneID	57708
NCBI Accession #	NP_001071168.2; NP_001071169.1; NP_001071170.2; NP_001071171.2; NP_001071172.1; NP_001139582.1; NP_001139583.1; NP_001139584.1; NP_001139585.1; NP_001265144.1; NP_065999.2
NCBI GenBank Nucleotide #	NM_001077700.2
UniProt Accession #	Q8N108; Q08AE0; Q32NC4; Q5T104; Q5TAD1; Q5TAD2; Q5TAD4; Q5TAD5; Q6AHY8; Q86TB4; Q8N156; C9JFD4
Molecular Weight	57983
NCBI Official Full Name	mesoderm induction early response protein 1 isoform b
NCBI Official Synonym Full Names	mesoderm induction early response 1, transcriptional regulator
NCBI Official Symbol	MIER1
NCBI Official Synonym Symbols	ER1; MI-ER1
NCBI Protein Information	mesoderm induction early response protein 1
UniProt Protein Name	Mesoderm induction early response protein 1
UniProt Gene Name	MIER1
UniProt Synonym Gene Names	KIAA1610; Early response 1; Er1; Mi-er1; hMi-er1
UniProt Entry Name	MIER1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.