



ESX1 blocking peptide (CDBP5424)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a dual-function 65 kDa protein that undergoes proteolytic cleavage to produce a 45 kDa N-terminal fragment with a paired-like homeodomain and a 20 kDa C-terminal fragment with a proline-rich domain. The C-terminal fragment localizes to the cytoplasm while the N-terminal fragment localizes exclusively to the nucleus. In contrast to human, the mouse homolog has a novel PN/PF motif in the C-terminus and is paternally imprinted in placental tissue. This gene likely plays a role in placental development and spermatogenesis. [provided by RefSeq, Jan 2010]
----------------------------	---

Conjugate	Unconjugated
------------------	--------------

Applications	Used as a blocking peptide in immunoblotting applications.
---------------------	--

Format	Liquid
---------------	--------

Concentration	200 µg/mL
----------------------	-----------

Size	0.05 mg
-------------	---------

Preservative	None
---------------------	------

Storage	-20°C
----------------	-------

GENE INFORMATION

Gene Name	ESX1 ESX homeobox 1 [Homo sapiens (human)]
------------------	--

Official Symbol	ESX1
------------------------	------

Synonyms	ESX1; ESX homeobox 1; ESX1L; ESXR1; homeobox protein ESX1; ESX1-related protein; extraembryonic, spermatogenesis, homeobox 1 homolog
-----------------	--

Entrez Gene ID	80712
mRNA Refseq	NM_153448
Protein Refseq	NP_703149
UniProt ID	Q8N693
Function	RNA polymerase II regulatory region sequence-specific DNA binding; RNA polymerase II transcription regulatory region sequence-specific DNA binding transcription factor activity involved in negative regulation of transcription; RNA polymerase II transcription regulatory region sequence-specific DNA binding transcription factor activity involved in negative regulation of transcription; sequence-specific DNA binding