



Human MICU1 blocking peptide (DAG-P1384)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes an essential regulator of mitochondrial Ca ²⁺ uptake under basal conditions. The encoded protein interacts with the mitochondrial calcium uniporter, a mitochondrial inner membrane Ca ²⁺ channel, and is essential in preventing mitochondrial Ca ²⁺ overload, which can cause excessive production of reactive oxygen species and cell stress. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, Mar 2013]
Specificity	Expressed in epithelial cell line. Strongly expressed in epidermal keratinocytes and dermal endothelial cells.
Conjugate	Unconjugated
Applications	BL
Sequence Similarities	Belongs to the MICU1 family. Contains 2 EF-hand domains.
Format	Lyophilised
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid repeated freeze / thaw cycles.

GENE INFORMATION

Gene Name	MICU1 mitochondrial calcium uptake 1 [Homo sapiens (human)]
Official Symbol	MICU1
Synonyms	MICU1; mitochondrial calcium uptake 1; CALC; EFHA3; MPXPS; CBARA1; calcium uptake protein 1, mitochondrial; ara CALC; atopy-related autoantigen CALC; calcium-binding atopy-related autoantigen 1;

Entrez Gene ID	10367
mRNA Refseq	NM_001195518.1
Protein Refseq	NP_001182447.1
UniProt ID	Q9BPX6
Chromosome Location	10q22.1
Function	calcium ion binding; protein binding; protein heterodimerization activity;