



Human PA2G4 peptide (DAG-P1521)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes an RNA-binding protein that is involved in growth regulation. This protein is present in pre-ribosomal ribonucleoprotein complexes and may be involved in ribosome assembly and the regulation of intermediate and late steps of rRNA processing. This protein can interact with the cytoplasmic domain of the ErbB3 receptor and may contribute to transducing growth regulatory signals. This protein is also a transcriptional co-repressor of androgen receptor-regulated genes and other cell cycle regulatory genes through its interactions with histone deacetylases. This protein has been implicated in growth inhibition and the induction of differentiation of human cancer cells. Six pseudogenes, located on chromosomes 3, 6, 9, 18, 20 and X, have been identified. [provided by RefSeq, Jul 2008]
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Specificity	Expressed in several cell lines tested, including primary and transformed cell lines.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the peptidase M24 family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	PA2G4 proliferation-associated 2G4, 38kDa [Homo sapiens (human)]
Official Symbol	PA2G4
Synonyms	PA2G4; proliferation-associated 2G4, 38kDa; EBP1; HG4-1; p38-2G4; proliferation-associated protein 2G4; erbB3-binding protein 1; ErbB-3 binding protein 1; ErbB3-binding protein Ebp1;

cell cycle protein p38-2G4 homolog;

Entrez Gene ID	5036
mRNA Refseq	NM_006191.2
Protein Refseq	NP_006182.2
UniProt ID	Q9UQ80
Chromosome Location	12q13.2
Pathway	Coregulation of Androgen receptor activity, organism-specific biosystem;
Function	DNA binding; poly(A) RNA binding; protein binding; sequence-specific DNA binding transcription factor activity; ubiquitin protein ligase binding;