



# Human BRAT1 peptide (DAG-P0211)

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

## PRODUCT INFORMATION

<b>Antigen Description</b>	The protein encoded by this ubiquitously expressed gene interacts with the tumor suppressing BRCA1 (breast cancer 1) protein and the ATM (ataxia telangiectasia mutated) protein. ATM is thought to be a master controller of cell cycle checkpoint signalling pathways that are required for cellular responses to DNA damage such as double-strand breaks that are induced by ionizing radiation and complexes with BRCA1 in the multi-protein complex BASC (BRCA1-associated genome surveillance complex). The protein encoded by this gene is thought to play a role in the DNA damage pathway regulated by BRCA1 and ATM. [provided by RefSeq, Mar 2012]
<b>Specificity</b>	Ubiquitously expressed.
<b>Conjugate</b>	Unconjugated
<b>Sequence Similarities</b>	Contains 2 HEAT repeats.
<b>Format</b>	Liquid
<b>Preservative</b>	None
<b>Storage</b>	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

<b>Gene Name</b>	<a href="#">BRAT1 BRCA1-associated ATM activator 1 [ Homo sapiens (human) ]</a>
<b>Official Symbol</b>	BRAT1
<b>Synonyms</b>	BRAT1; BRCA1-associated ATM activator 1; BAAT1; RMFSL; C7orf27; HEAT repeat-containing protein C7orf27; BRCA1-associated protein required for ATM activation protein 1;

Entrez Gene ID	<a href="#">221927</a>
mRNA Refseq	<a href="#">NM_152743.3</a>
Protein Refseq	<a href="#">NP_689956.2</a>
UniProt ID	Q6PJG6
Chromosome Location	7p22.3
Function	protein binding;