



Rabbit Anti-Human STAM Polyclonal Antibody (DPABH-06628)

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

PRODUCT INFORMATION

Target	Human STAM
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Affinity Purified
Conjugate	Unconjugated
Applications	WB, IP
Format	Liquid
Concentration	Lot specific
Buffer	Tris-citrate/phosphate buffer, pH 7 to 8
Preservative	0.09% Sodium Azide
Storage	2 - 8° C. 1 year from date of receipt
Ship	Wet ice

BACKGROUND

Introduction	This gene encodes a mitochondrial protein with antioxidant function. The protein is similar to the C22 subunit of <i>Salmonella typhimurium</i> alkylhydroperoxide reductase, and it can rescue
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bacterial resistance to alkylhydroperoxide in *E. coli* that lack the C22 subunit. The human and mouse genes are highly conserved, and they map to the regions syntenic between mouse and human chromosomes. Sequence comparisons with recently cloned mammalian homologs suggest that these genes consist of a family that is responsible for the regulation of cellular proliferation, differentiation and antioxidant functions. This family member can protect cells from oxidative stress, and it can promote cell survival in prostate cancer. Alternative splicing of this gene results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 1, 3, 13 and 22.

Keywords	STAM;signal transducing adaptor molecule (SH3 domain and ITAM motif) 1;signal transducing adapter molecule 1;HSE1 homolog (<i>S. cerevisiae</i>);STAM1;HSE1 homolog;STAM-1;DKFZp686J2352;
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GENE INFORMATION

Gene Name	signal transducing adaptor molecule
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Official Symbol	STAM
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Entrez Gene ID	8027
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UniProt ID	Q92783
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