



Anti-SPDEF (full length) polyclonal antibody (DPAB-DC1241)

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

PRODUCT INFORMATION

Antigen Description	The protein encoded by this gene belongs to the ETS family of transcription factors. It is highly expressed in the prostate epithelial cells, and functions as an androgen-independent transactivator of prostate-specific antigen (PSA) promoter. Higher expression of this protein has also been reported in brain, breast, lung and ovarian tumors, compared to the corresponding normal tissues, and it shows better tumor-association than other cancer-associated molecules, making it a more suitable target for developing specific cancer therapies. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.
Immunogen	SPDEF (AAH21299, 1 a.a. ~ 335 a.a) full-length recombinant protein with GST tag. The sequence is MGSASPGGLSSVSPSHLLPPDTVSRITGLEKAAAGAVGLERRDWSPSPPATPEQGLSAFYLSYFDMLYPEDSSWAAKAPGASSREEPPPEEQCPVIDSQAPAGSLDLVPGGLTLEEHSLEQVQSMVVGEVLKDIETACKLLNITADPMDWSPSNVQKWLLWTEHQYRLPPMGKAFQELAGKELCAMSEEQFRQRSPLGGDVLHAHLDIWKSAAWMKERTSPGAIHYCASTSEESWTDSEVDSSCSGQPIHLWQFLKELLLKPHSYGRFIRWLNKEKGIFKIEDSAQVARLWGIRKNRPAMNYDKLSRSIRQYYKKGIIRKPDISQRLVYQFVHPI
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	WB (Cell lysate), WB (Cell lysate), WB (Recombinant protein), ELISA,
Size	50 µl
Buffer	50 % glycerol
Preservative	None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	SPDEF SAM pointed domain containing ETS transcription factor [Homo sapiens (human)]
Official Symbol	SPDEF
Synonyms	SPDEF; SAM pointed domain containing ETS transcription factor; PDEF; bA375E1.3; SAM pointed domain-containing Ets transcription factor; prostate-specific Ets; prostate-derived Ets factor; prostate epithelium-specific Ets transcription factor;
Entrez Gene ID	25803
Protein Refseq	NP_001239223
UniProt ID	O95238
Chromosome Location	6p21.3
Pathway	Regulation of Androgen receptor activity;
Function	sequence-specific DNA binding; sequence-specific DNA binding RNA polymerase II transcription factor activity;