10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

SPDEF Rabbit pAb

Catalog # AP98259

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	O95238
Other Accession	O95238
Reactivity	Rat, Human, Mouse
Predicted	Rabbit, Chicken, Dog, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37518
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PDEF
Epitope Specificity	251-335/335
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the ETS family. Contains 1 ETS DNA-binding domain. Contains 1 PNT (pointed) domain.
SUBUNIT	Interacts with the DNA-binding domain of the androgen receptor. Interacts with NKX3-1.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	SPDEF, also known as PDEF is an ETS transcription factor expressed in the prostate epithelial cells. It is thought to act as an androgen-independent transactivator of the prostate-specific antigen (PSA) promoter and also as a transcriptional activator for the SERPINB5 promoter. It is highly expressed in prostate carcinoma cells and is thought to be involved in the regulation of the prostate gland and/or prostate cancer development. It is also expressed in epithelial breast carcinoma.

Additional Information

Gene ID	25803
Other Names	PDEF; bA375E1.3; Pse; SPDEF_HUMAN; SPDEF; Prostate epithelium-specific Ets transcription factor (Prostate-specific Ets); Prostate-derived Ets factor; SPDEF_MOUSE; SAM pointed domain containing ETS transcription factor
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500
Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	SPDEF
Synonyms	PDEF, PSE
Function	May function as an androgen-independent transactivator of the prostate-specific antigen (PSA) promoter. Binds to 5'-GGAT-3' DNA sequences. May play a role in the regulation of the prostate gland and/or prostate cancer development. Acts as a transcriptional activator for SERPINB5 promoter.
Cellular Location	Nucleus.
Tissue Location	Expressed in a very restricted set of primarily hormone-regulated epithelial tissues with particularly high expression in the prostate gland. Significantly lower expression is seen in other hormone regulated tissues such as mammary gland, salivary gland, and ovary. Expressed in prostate carcinoma cells

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.