

ARG45278 anti-SPDEF / PSE antibody

Package: 50 µg
Store at: -20°C

Summary

Product Description	Polyclonal antibody recognizes SPDEF / PSE
Tested Reactivity	Hu
Tested Application	FACS, ICC/IF, WB
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Target Name	SPDEF / PSE
Species	Human
Immunogen	Recombinant protein containing to human SPDEF / PSE.
Conjugation	Un-conjugated
Alternate Names	SPDEF; SAM Pointed Domain Containing ETS Transcription Factor; PDEF; BA375E1.3; SAM Pointed Domain-Containing Ets Transcription Factor; Prostate Epithelium-Specific Ets Transcription Factor; Prostate-Derived Ets Factor; Prostate-Specific Ets; PSE

Application Instructions

Application table	Application	Dilution
	FACS	1 - 3 µg/10 ⁶ cells
	ICC/IF	5 µg/ml
	WB	0.25-0.5 µg/ml
Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Observed Size	44 kDa	

Properties

Form	Liquid
Purification	Affinity purification with immunogen.
Buffer	0.2% Na ₂ HPO ₄ , 0.9% NaCl and 4% Trehalose.
Stabilizer	4% Trehalose
Concentration	0.5 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.

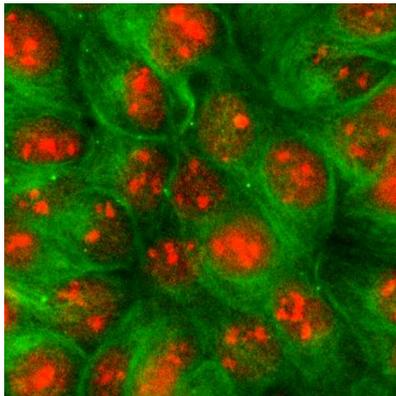
Note

For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

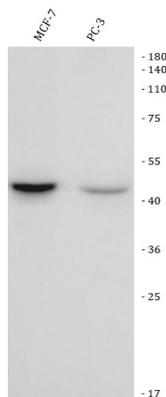
Gene Symbol	SPDEF / PSE
Gene Full Name	SAM Pointed Domain Containing ETS Transcription Factor
Background	The protein encoded by this gene belongs to the ETS family of transcription factors. It is highly expressed in the prostate epithelial cells, and functions as an androgen-independent transactivator 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. [provided by RefSeq, Nov 2011]
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. [UniProt]
Calculated Mw	38 kDa
Cellular Localization	Nucleus. [UniProt]

Images



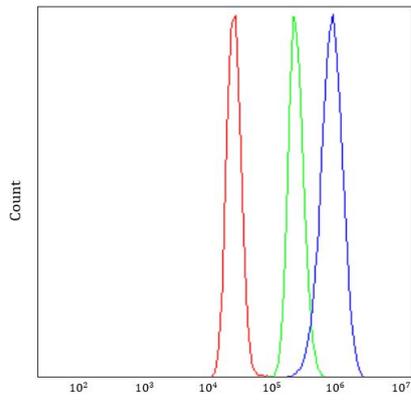
ARG45278 anti-SPDEF / PSE antibody ICC/IF image

Immunofluorescence: MCF-7 stained with ARG45278 anti-SPDEF / PSE antibody at 5 ug/ml dilution.



ARG45278 anti-SPDEF / PSE antibody WB image

Western blot: MCF-7 and PC-3 stained with ARG45278 anti-SPDEF / PSE antibody at 0.5 µg/ml dilution.



ARG45278 anti-SPDEF / PSE antibody FACS image

Flow Cytometry: MCF-7 stained with ARG45278 anti-SPDEF / PSE antibody at 1 µg/10⁶ cells dilution.