



# SPDEF Polyclonal Antibody

|                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Catalog No</b>                  | YP-Ab-06117                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Isotype</b>                     | IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Reactivity</b>                  | Human;Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Applications</b>                | WB;ELISA                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Gene Name</b>                   | SPDEF PDEF PSE                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Immunogen</b>                   | Synthesized peptide derived from human protein . at AA range: 140-220                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Specificity</b>                 | SPDEF Polyclonal Antibody detects endogenous levels of protein.                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Formulation</b>                 | Liquid in PBS containing 50% glycerol, and 0.02% sodium azide.                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Source</b>                      | Polyclonal, Rabbit,IgG                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Purification</b>                | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.                                                                                                                                                                                                                                                                                                                                                  |
| <b>Dilution</b>                    | WB 1:500-2000 ELISA 1:5000-20000                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Concentration</b>               | 1 mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Purity</b>                      | ≥90%                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Storage Stability</b>           | -20°C/1 year                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Synonyms</b>                    | Prostate-derived Ets factor;Prostate specific Ets;Prostate epithelium-specific Ets transcription factor;Prostate derived Ets factor;PDEF;SPDEF;SPDEF PDEF PSE;SAM pointed domain-containing Ets transcription factor (Prostate epithelium-specific Ets transcription factor) (Prostate-specific Ets) (Prostate-derived Ets factor)                                                                                                                                     |
| <b>Observed Band</b>               | 36kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Calculated Molecular Weight</b> | 36kD                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Cell Pathway</b>                | Nucleus .                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Tissue Specificity</b>          | 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.                                                                                                                                                       |
| <b>Function</b>                    | 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., similarity:Belongs to the ETS family.,similarity:Contains 1 ETS DNA-binding domain.,similarity:Contains 1 PNT (pointed) domain.,subunit:Interacts with the |



DNA-binding domain of the androgen receptor. Interacts with NKX3-1.,tissue specificity: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.,

#### 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],

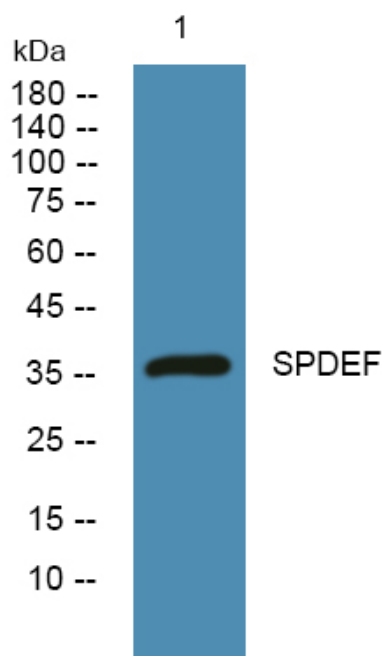
#### matters needing attention

Avoid repeated freezing and thawing!

#### Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

### Products Images



Western blot analysis of lysates from SW480 cells, primary antibody was diluted at 1:1000, 4° over night