



## Rabbit Anti-PLASTIN3 antibody

SL3643R

|                               |  |
|-------------------------------|--|
| <b>Product Name:</b>          | PLASTIN3   |
| <b>Chinese Name:</b>          | 丝束蛋白T Plastin抗体  |
| <b>Alias:</b>                 | Plastin 3 (T isoform); PLS3; PLS 3; PLS-3; Plastin 3; Plastin3; Plastin-3; T fimbrin.  |
| <b>Organism Species:</b>      | Rabbit   |
| <b>Clonality:</b>             | Polyclonal   |
| <b>React Species:</b>         | Human,Mouse,Rat,Dog,Pig,Cow,Horse,Rabbit,  |
| <b>Applications:</b>          | WB=1:500-2000ELISA=1:500-1000IHC-P=1:400-800IHC-F=1:400-800IF=1:100-500 (Paraffin sections need antigen repair)<br>not yet tested in other applications.<br>optimal dilutions/concentrations should be determined by the end user.   |
| <b>Molecular weight:</b>      | 69kDa  |
| <b>Cellular localization:</b> | cytoplasmic  |
| <b>Form:</b>                  | Lyophilized or Liquid  |
| <b>Concentration:</b>         | 1mg/ml   |
| <b>immunogen:</b>             | KLH conjugated synthetic peptide derived from human PLASTIN3:401-500/630   |
| <b>Lsotype:</b>               | IgG  |
| <b>Purification:</b>          | affinity purified by Protein A   |
| <b>Storage Buffer:</b>        | 0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.   |
| <b>Storage:</b>               | Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. The lyophilized antibody is stable at room temperature for at least one month and for greater than a year when kept at -20°C. 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.  |
| <b>PubMed:</b>                | <a href="#">PubMed</a>   |
| <b>Product Detail:</b>        | T Plastin is a representative of an important family of actin-cross-linking and -bundling proteins that organize most of the actin networks in cells. T Plastin is associated with the actin core bundle of microvilli, stereocilia and microspikes in epithelial cells and was proposed to participate in the assembly of these structures. In mesenchymal cells, T plastin localizes to focal adhesions and the leading edge, a broad lamellar membrane extension harboring a dynamic branched actin network. Recent studies have shown that T plastin has the potential to be a Sezary cell-specific marker valuable for diagnostic and |

treatment of Sezary syndrome.

**Function:**

Actin-bundling protein found in intestinal microvilli, hair cell stereocilia, and fibroblast filopodia.

**Subunit:**

Monomer.

**Subcellular Location:**

Cytoplasm.

**Tissue Specificity:**

Expressed in a variety of organs, including muscle, brain, uterus and esophagus.

**Post-translational modifications:**

Phosphorylated upon DNA damage, probably by ATM or ATR

**Similarity:**

Contains 2 actin-binding domains.

Contains 4 CH (calponin-homology) domains.

Contains 2 EF-hand domains.

**SWISS:**

P13797

**Gene ID:**

5358

**Database links:**

[Entrez Gene: 5358](#)Human

[Entrez Gene: 102866](#)Mouse

[Entrez Gene: 81748](#)Rat

[Omim: 300131](#)Human

[SwissProt: P13797](#)Human

[SwissProt: Q99K51](#)Mouse

[SwissProt: Q63598](#)Rat

[Unigene: 496622](#)Human

[Unigene: 28777](#)Mouse

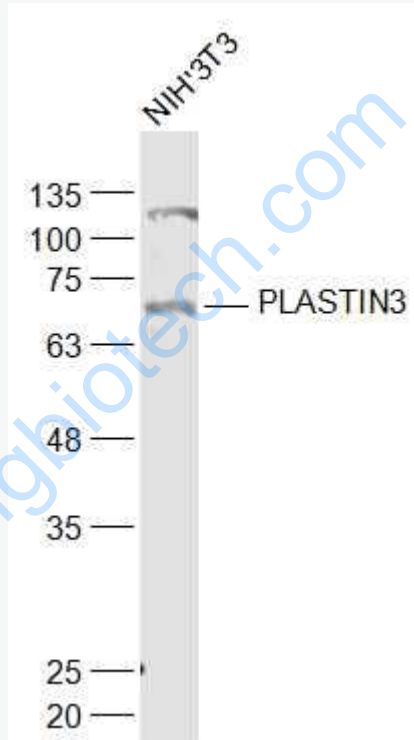
[Unigene: 32103](#)Rat

**Important Note:**

This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.

丝束(纤毛素)是肌动蛋白Binding protein家族的成员,存在于细胞支架的重组中. 丝束3是来源于纤毛素蛋白家族的Tlymphocyte特异肌动蛋白成束蛋白。近年来T Plastin在用于sezary cell综合征的研究方面较多。

Picture:



Sample:

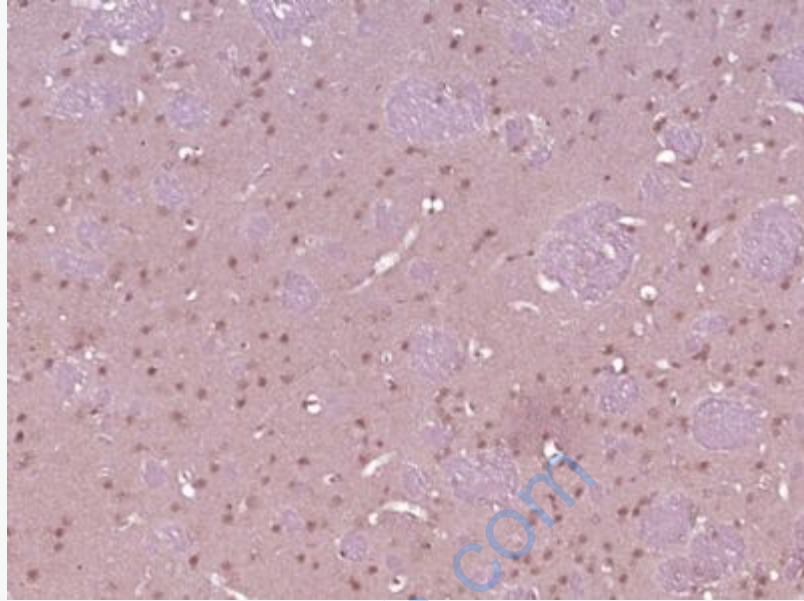
NIH/3T3(Mouse) Cell Lysate at 30 ug

Primary: Anti-PLASTIN3 (SL3643R) at 1/1000 dilution

Secondary: IRDye800CW Goat Anti-Rabbit IgG at 1/20000 dilution

Predicted band size: 69 kD

Observed band size: 69 kD



Paraformaldehyde-fixed, paraffin embedded (Mouse brain); Antigen retrieval by boiling in sodium citrate buffer (pH6.0) for 15min; Block endogenous peroxidase by 3% hydrogen peroxide for 20 minutes; Blocking buffer (normal goat serum) at 37°C for 30min; Antibody incubation with (PLASTIN3) Polyclonal Antibody, Unconjugated (SL3643R) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.