

PLASTIN3 Rabbit pAb

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Catalog # AP58083

Product Information

Application	WB, IHC-P, IHC-F, IF
Primary Accession	P13797
Reactivity	Human, Mouse
Predicted	Rat, Pig, Dog, Rabbit, Horse
Host	Rabbit
Clonality	Polyclonal
Calculated MW	70811
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human Plastin-3
Epitope Specificity	401-500/630
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SUBCELLULAR LOCATION	Cytoplasm.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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.

Additional Information

Gene ID	5358
Other Names	Plastin-3, T-fimbrin, T-plastin, PLS3
Dilution	WB=1:500-2000,IHC-P=1:100-500,IHC-F=1:100-500,IF=1:100-500,Flow-Cyt=1 µg/Test
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.

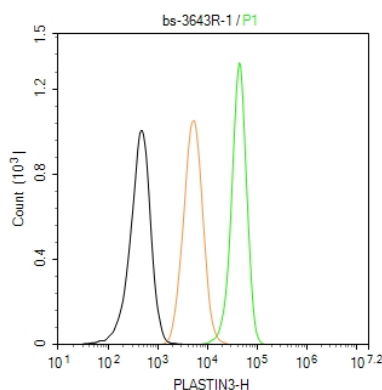
Protein Information

Name	PLS3
Function	Actin-bundling protein.
Cellular Location	Cytoplasm.
Tissue Location	Expressed in a variety of organs, including muscle, brain, uterus and esophagus

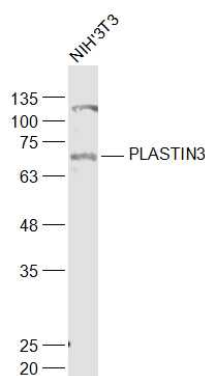
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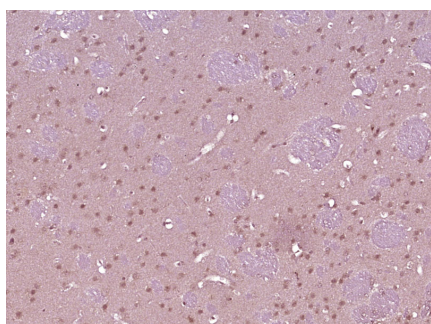
Images



The A431 (H) cells were fixed with 4% PFA (10 min at r.t.) and then permeabilized with 90% ice-cold methanol for 20 min at -20°C, the cells then were incubated in 5% BSA to block non-specific protein-protein interactions (30 min at r.t.), followed by secondary antibody incubation for 40 min at room temperature. Primary Antibody (green): Rabbit Anti-PLASTIN3 antibody (AP58083): 1 µg/10⁶ cells; Isotype Control (orange): Rabbit IgG (AP58083). Blank control (black): PBS. Acquisition of 20,000 events was performed.



Sample:
NIH/3T3(Mouse) Cell Lysate at 30 µg
Primary: Anti-PLASTIN3 (AP58083) 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 (AP58083) at 1:400 overnight at 4°C, followed by operating according to SP Kit(Rabbit) (sp-0023) instructions and DAB staining.