

## (Mouse) Plet1 Antibody (Center)

Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP21437c

### Product Information

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Application	WB, E
Primary Accession	<a href="#">Q8VEN2</a>
Reactivity	Mouse
Host	Rabbit
Clonality	polyclonal
Isotype	Rabbit IgG
Clone Names	RB51199
Calculated MW	25006

### Additional Information

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Gene ID	76509
Other Names	Placenta-expressed transcript 1 protein, Antigen mAgK114, Plet1
Target/Specificity	This Mouse Plet1 antibody is generated from a rabbit immunized with a KLH conjugated synthetic peptide between 82-115 amino acids from the Central region of Mouse Plet1.
Dilution	WB~~1:500 E~~Use at an assay dependent concentration.
Format	Purified polyclonal antibody supplied in PBS with 0.05% (V/V) Proclin 300. This antibody is prepared by Saturated Ammonium Sulfate (SAS) precipitation followed by dialysis against PBS.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Precautions	(Mouse) Plet1 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

### Protein Information

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Name	Plet1
Function	Modulates leading keratinocyte migration and cellular adhesion to matrix proteins during a wound-healing response and promotes wound repair. May play a role during trichilemmal differentiation of the hair follicle.
Cellular Location	Apical cell membrane; Lipid-anchor, GPI-anchor. Note=Localized at the apical membrane of the most differentiated keratinocytes of the outer root sheath

(ORS), clustered mainly in planar regions of the plasma membrane at the base of microvilli

## Tissue Location

Present in hair follicle cells and sebaceous gland of skin, ciliated epithelial cells of trachea and bronchial tube, striated portion of submandibular gland, distal convoluted tubule cells of kidney, ciliated epithelial cells of oviduct, medulla of adrenal gland and anterior lobe of pituitary gland. Expressed in keratinocytes of the hair follicle at the trichilemmal zone corresponding to the terminally differentiated outermost suprabasal outer root sheath (ORS), including that of the sebaceous gland duct (SGD) and the directly adjacent upper distal end of the companion layer (CL). Expression is similar in all hair follicle growth stages. Also detected during both the early and late anagen phases above the bulge of stem cells Expressed at the leading edge of the epidermal wound. Not expressed in the interfollicular epidermis (IFE), inner root sheath (IRS) and hair fiber. Highly expressed in placenta. Detected in mammary and prostate epithelia and in the pancreas (at protein level)

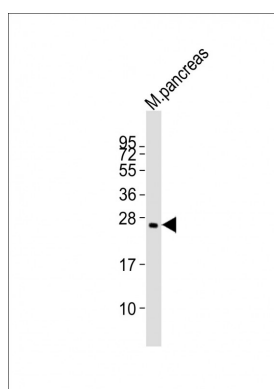
## Background

Modulates leading keratinocyte migration and cellular adhesion to matrix proteins during a wound-healing response and promotes wound repair. May play a role during trichilemmal differentiation of the hair follicle.

## References

Zhao S.-H.,et al.Genomics 84:114-125(2004).  
Carninci P.,et al.Science 309:1559-1563(2005).  
Takeuchi M.,et al.Zool. Sci. 22:995-1001(2005).  
Tatefuji T.,et al.Biol. Pharm. Bull. 29:896-902(2006).  
Frankenberg S.,et al.BMC Dev. Biol. 7:8-8(2007).

## Images



Anti-Plet1 Antibody (Center)at 1:2000 dilution + mouse pancreas lysates Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution Predicted band size : 25 kDa Blocking/Dilution buffer: 5% NFDM/TBST.

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