

PSG9 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10444c

Specification

PSG9 Antibody (Center) - Product Information

Application	WB, IHC-P,E
Primary Accession	Q00887
Other Accession	NP_002775.3
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Calculated MW	48272
Antigen Region	108-137

PSG9 Antibody (Center) - Additional Information

Gene ID 5678

Other Names

Pregnancy-specific beta-1-glycoprotein 9, PS-beta-G-9, PSBG-9, Pregnancy-specific glycoprotein 9, PS34, Pregnancy-specific beta-1 glycoprotein B, PS-beta-B, Pregnancy-specific beta-1-glycoprotein 11, PS-beta-G-11, PSBG-11, Pregnancy-specific glycoprotein 11, Pregnancy-specific glycoprotein 7, PSG7, PSG9, PSG11

Target/Specificity

This PSG9 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 108-137 amino acids from the Central region of human PSG9.

Dilution

WB~~1:1000
IHC-P~~1:50~100

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

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

PSG9 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

PSG9 Antibody (Center) - Protein Information

Name PSG9

Synonyms PSG11

Function Binds to the small latent transforming growth factor-beta complex, consisting of the N-terminal TGFB1 latency-associated peptide (LAP) and the mature form of TGFB1, thereby leading to the activation of TGFB1 (PubMed:[27389696](#)). The activation of TGFB1 leads to stimulation of naive CD4(+) T-cells to increase FoxP3 expression and to an increase in the number of FoxP3(+) regulatory T-cells (PubMed:[27389696](#)). Induces the differentiation of a suppressive CD4(+)LAP(+)FoxP3(-) T-cell subset (PubMed:[27389696](#)). Induces the secretion of TGFB1 in macrophages, but not in activated CD4(+) T-cells (PubMed:[27389696](#)). May reduce the expression of several pro- inflammatory cytokines and chemokines by CD4(+) T-cells, including IL2 and IL6 (PubMed:[27389696](#)).

Cellular Location

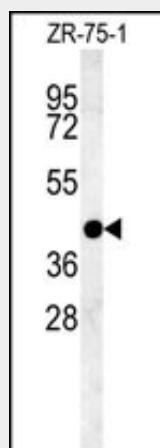
Secreted.

PSG9 Antibody (Center) - Protocols

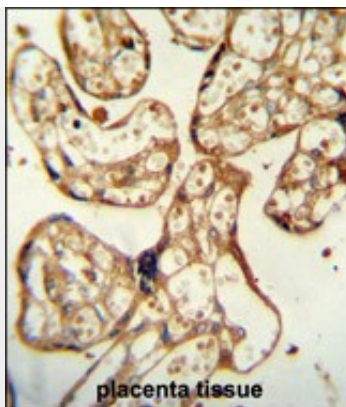
Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

PSG9 Antibody (Center) - Images



PSG9 Antibody (Center) (Cat. #AP10444c) western blot analysis in ZR-75-1 cell line lysates (35ug/lane). This demonstrates the PSG9 antibody detected the PSG9 protein (arrow).



PSG9 Antibody (Center) (Cat. #AP10444c) immunohistochemistry analysis in formalin fixed and paraffin embedded human placenta tissue followed by peroxidase conjugation of the secondary antibody and DAB staining. This data demonstrates the use of the PSG9 Antibody (Center) for immunohistochemistry. Clinical relevance has not been evaluated.