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PSG9 Antibody (Center)

Affinity Purified Rabbit Polyclonal Antibody (Pab)

Catalog # AP17302c

Specification

PSG9 Antibody (Center) - Product Information

Application	**WB,E**
Primary Accession	Q00887
Other Accession	NP_002775.3
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**48272**
Antigen Region	**111-139**

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 111-139 amino acids from the Central region of human PSG9.

Dilution
WB~~1:1000
E~~Use at an assay dependent concentration.

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

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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).

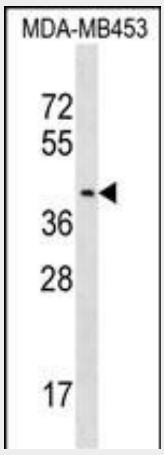
Cellular Location
Secreted.

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 Cytomety
- Cell Culture

PSG9 Antibody (Center) - Images



PSG9 Antibody (Center) (Cat. #AP17302c) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the PSG9 antibody detected the PSG9 protein (arrow).

PSG9 Antibody (Center) - Background

The human pregnancy-specific glycoproteins (PSGs) are a group of molecules that are mainly produced by the placental syncytiotrophoblasts during pregnancy. PSGs comprise a subgroup of

the carcinoembryonic antigen (CEA) family, which belongs to the immunoglobulin superfamily. For additional general information about the PSG gene family, see PSG1 (MIM 176390).[supplied by OMIM].

PSG9 Antibody (Center) - References

Stelzl, U., et al. Cell 122(6):957-968(2005)
Salahshor, S., et al. BMC Cancer 5, 66 (2005) :
Colland, F., et al. Genome Res. 14(7):1324-1332(2004)
Grimwood, J., et al. Nature 428(6982):529-535(2004)
Olsen, A., et al. Genomics 23(3):659-668(1994)