10320 Camino Santa Fe, Suite G
San Diego, CA 92121
Tel: 858.875.1900 Fax: 858.875.1999

PSG4 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19028a

Specification

PSG4 Antibody (N-term) - Product Information

Application	**WB,E**
Primary Accession	Q00888
Other Accession	NP_002771.2
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**47113**
Antigen Region	**73-100**

PSG4 Antibody (N-term) - Additional Information

Gene ID 5672

Other Names
Pregnancy-specific beta-1-glycoprotein 4, PS-beta-G-4, PSBG-4, Pregnancy-specific glycoprotein 4, Pregnancy-specific beta-1-glycoprotein 9, PS-beta-G-9, PSBG-9, Pregnancy-specific glycoprotein 9, PSG4, CGM4, PSG9

Target/Specificity
This PSG4 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 73-100 amino acids from the N-terminal region of human PSG4.

Dilution
WB~~1:1000

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
PSG4 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

PSG4 Antibody (N-term) - Protein Information

Name PSG4

Synonyms CGM4, PSG9

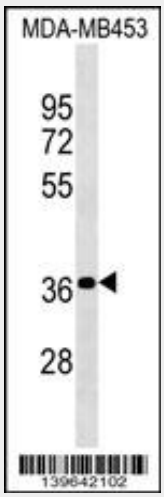
Cellular Location
Secreted.

PSG4 Antibody (N-term) - 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

PSG4 Antibody (N-term) - Images



PSG4 Antibody (N-term) (Cat. #AP19028a) western blot analysis in MDA-MB453 cell line lysates (35ug/lane).This demonstrates the PSG4 antibody detected the PSG4 protein (arrow).

PSG4 Antibody (N-term) - Background

The human pregnancy-specific glycoproteins (PSGs) are a family of proteins that are synthesized in large amounts by placental trophoblasts and released into the maternal circulation during pregnancy. Molecular cloning and analysis of several PSG genes has indicated that the PSGs form a subgroup of the carcinoembryonic antigen (CEA) gene family, which belongs to the immunoglobulin superfamily of genes. Members of the CEA family consist of a single N domain, with structural similarity to the immunoglobulin variable domains, followed by a variable number of immunoglobulin constant-like A and/or B domains. Most PSGs have an arg-gly-asp (RGD) motif, which has been shown to function as an adhesion recognition signal for several integrins, in the N-terminal domain (summary by Teglund et al., 1994 [PubMed

7851896]). For additional general information about the PSG gene family, see PSG1 (MIM 176390).

PSG4 Antibody (N-term) - References

Kimoto, Y. Mol. Gen. Genet. 258(3):233-239(1998)
Teglund, S., et al. Biochem. Biophys. Res. Commun. 211(2):656-664(1995)
Teglund, S., et al. Genomics 23(3):669-684(1994)
Olsen, A., et al. Genomics 23(3):659-668(1994)
Chan, W.Y., et al. Mol. Cell. Biochem. 106(2):161-170(1991)