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PSG4 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP19028a

Product Information

Application	WB, E
Primary Accession	Q00888
Other Accession	NP_002771.2
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB39642
Calculated MW	47113
Antigen Region	73-100

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

Protein Information

Name	PSG4
Synonyms	CGM4, PSG9

Cellular Location Secreted.

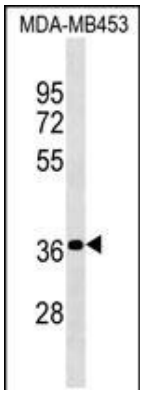
Background

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).

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)

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).