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PSG3 Antibody (N-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9558c

Product Information

Application	WB, E
Primary Accession	Q16557
Reactivity	Human, Mouse
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Clone Names	RB24216
Calculated MW	47945
Antigen Region	22-50

Additional Information

Gene ID	5671
Other Names	Pregnancy-specific beta-1-glycoprotein 3, PS-beta-G-3, PSBG-3, Pregnancy-specific glycoprotein 3, Carcinoembryonic antigen SG5, PSG3
Target/Specificity	This PSG3 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 22-50 amino acids from the N-terminal region of human PSG3.
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	PSG3 Antibody (N-term) is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

Name	PSG3
Cellular Location	Secreted.

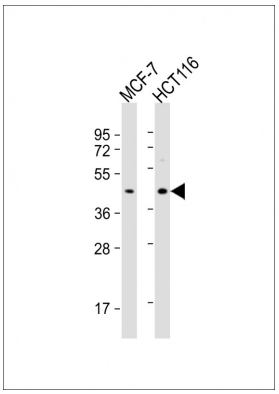
Background

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).

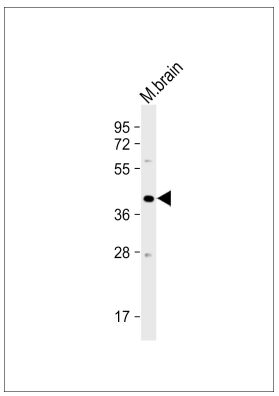
References

Colland, F., et al. Genome Res. 14(7):1324-1332(2004)
Grimwood, J., et al. Nature 428(6982):529-535(2004)
Teglund, S., et al. Genomics 23(3):669-684(1994)
Olsen, A., et al. Genomics 23(3):659-668(1994)
Shupert, W.L., et al. Mol. Cell. Biochem. 120(2):159-170(1993)

Images



All lanes : Anti-PSG3 Antibody (N-term) at 1:1000 dilution Lane 1: MCF-7 whole cell lysate Lane 2: HCT116 whole cell lysate Lysates/proteins at 20 µg per lane. Secondary Goat Anti-Rabbit IgG, (H+L), Peroxidase conjugated at 1/10000 dilution. Predicted band size : 48 kDa Blocking/Dilution buffer: 5% NFDM/TBST.



PSG3 Antibody (N-term) (Cat. #AP9558c) western blot analysis in MCF-7 cell line and mouse liver,brain tissue lysates (35ug/lane).This demonstrates the PSG3 antibody detected the PSG3 protein (arrow).

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