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

PSG2 Rabbit pAb

Catalog # AP97188

Product Information

Application	IHC-P, IHC-F, IF
Primary Accession	P11465
Other Accession	P11465
Predicted	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37216
Physical State	Liquid
Immunogen	KLH conjugated synthetic peptide derived from human PSG2
Epitope Specificity	201-300/335
Isotype	IgG
Purity	affinity purified by Protein A
Buffer	0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.
SIMILARITY	Belongs to the immunoglobulin superfamily. CEA family. Contains 2 Ig-like C2-type (immunoglobulin-like) domains. Contains 1 Ig-like V-type (immunoglobulin-like) domain.
Important Note	This product as supplied is intended for research use only, not for use in human, therapeutic or diagnostic applications.
Background Descriptions	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).[supplied by OMIM, Oct 2009]

Additional Information

Gene ID	5670
Other Names	CEA; PSBG2; PSG1; PSG2_HUMAN; PSG2; PS-beta-G-2; PSBG-2; Pregnancy-specific glycoprotein 2; Pregnancy-specific beta-1 glycoprotein E (PS-beta-E); pregnancy specific beta-1-glycoprotein 2; pregnancy-specific beta-1 glycoprotein; pregnancy-specific beta-1-glycoprotein 7; carcinoembryonic antigen SG8
Dilution	IHC-P=1:100-500,IHC-F=1:100-500,ICC/IF=1:100-500,IF=1:100-500

Storage	Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

Protein Information

Name	PSG2
Synonyms	PSBG2
Cellular Location	Secreted.

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