Datasheet for ABIN954350

anti-PSG3 antibody (N-Term)

1 Image

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Overview

Quantity:	0.4 mL
Target:	PSG3
Binding Specificity:	AA 29-58, N-Term
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PSG3 antibody is un-conjugated
Application:	Western Blotting (WB), Enzyme Immunoassay (EIA)

Product Details

Immunogen:	KLH conjugated synthetic peptide between 29~58 amino acids from the N-terminal region of human PSG3
Isotype:	Ig Fraction
Specificity:	This antibody recognizes Human and Mouse PSG3 (N-term).
Purification:	Affinity Chromatography on Protein A

Target Details

Target:	PSG3
Alternative Name:	PSG3 (PSG3 Products)
Background:	The human pregnancy-specific glycoproteins (PSGs) are a family of proteins that are

Target Details

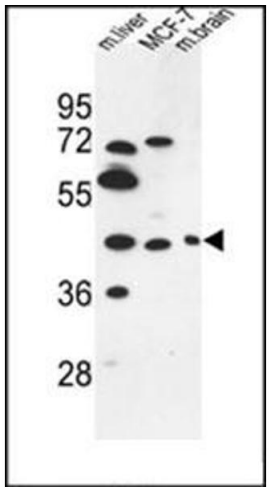
	synthesized in large amounts by placental trophoblasts and released into the maternal circulation during pregnancy. Molecular cloning and analysis of several PSG genes has indicated that the PSGs form a subgroup of the carcinoembryonic antigen (CEA) gene family, which belongs to the immunoglobulin superfamily 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).Synonyms: Carcinoembryonic antigen SG5, PS-beta-G-3, PSBG-3, Pregnancy-specific beta-1-glycoprotein 3, Pregnancy-specific glycoprotein 3
Molecular Weight:	47945 Da
Gene ID:	5671
NCBI Accession:	NP_066296

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.25 mg/mL
Buffer:	PBS, 0.09 % Sodium Azide
Preservative:	Sodium azide
Precaution of Use:	This product contains sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1. Western blot analysis of PSG3 Antibody (N-term) in MCF-7 cell line and Mouse liver, brain tissue lysates (35ug/lane). This demonstrates the PSG3 antibody detected the PSG3 protein (arrow).