

Mouse/Rat VSIG1 Antibody

Antigen Affinity-purified Polyclonal Goat IgG Catalog Number: AF5324

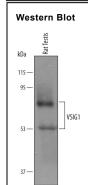
DESCRIPTION		
Species Reactivity	Mouse/Rat	
Specificity	Detects mouse and rat VSIG1 in direct ELISAs and Western blots. In direct ELISAs, approximately 5% cross-reactivity with recombinant human (rh) VSIG1 is observed and less than 1% cross-reactivity with recombinant mouse (rm) VSIG2, rmVSIG3, rmVSIG4, and rhVSIG3 is observed.	
Source	Polyclonal Goat IgG	
Purification	Antigen Affinity-purified	
Immunogen	Mouse myeloma cell line NS0-derived recombinant mouse VSIG1 Val23-Glu234 Accession # BAE35812	
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied as a 0.2 µm filtered solution in PBS.	

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. General Protocols are available in the Technical Information section on our website.

Concent	ition
Western Blot 1 μg/mL	See Below

DATA



Detection of Mouse and Rat VSIG1 by Western Blot, Western blot shows lysates of rat testis tissue. PVDF membrane was probed with 1 μg/mL of Goat Anti-Mouse/Rat VSIG1 Antigen Affinity-purified Polyclonal Antibody (Catalog # AF5324) followed by HRP-conjugated Anti-Goat IgG Secondary Antibody (Catalog # HAF019). Specific bands were detected for VSIG1 at approximately 55 and 70 kDa (as indicated). This experiment was conducted under reducing conditions and using Immunoblot Buffer Group 8.

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.	
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.	
	*Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C	
Ctability 9 Ctavana	Here a manual defunct from any and excid remoted from the transfer	

Stability & Storage

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
 - 12 months from date of receipt, -20 to -70 °C as supplied.
- 1 month, 2 to 8 °C under sterile conditions after reconstitution.
- 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

VSIG1 (V-set and Ig domain-containing protein 1; also Glycoprotein 34 and Cell surface antigen 33) is a 55-70 kDa member of the JAM family of Ig-Superfamily proteins. It shows expression on gastric epithelium and testicular germ cells and likely participates in cell adhesion. Mouse VSIG1 precursor is 407 amino acids (aa) in length. It is a type I transmembrane glycoprotein that contains a 211 aa extracellular domain (ECD) (aa 23-234) and a 152 aa cytoplasmic region. The ECD contains one V-type (aa 23-134) and one C2-type Ig-like domain (aa 145-229). Over aa 23-234, mouse VSIG1 is 94% and 81% aa identical to rat and human VSIG1, respectively. There is one potential alternate start site at Met108.

