

Rabbit anti-Human VSIG4 Polyclonal Antibody | anti-VSIG4 antibody

Anti-VSIG4 Antibody, Rabbit Polyclonal

CATALOG # AAA255531	HOST Rabbit	REACTIVITY Human	APPLICATIONS Immunohistochemistry, ELISA
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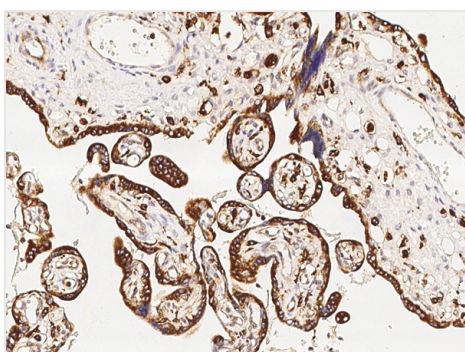
PRODUCT SYNONYMS

VSIG4; Polyclonal Antibody; Anti-VSIG4 Antibody; Rabbit Polyclonal; VSIG4 Antibody; Rabbit PAb; Antigen Affinity Purified; V-set and immunoglobulin domain containing 4; Anti-CRlg Antibody; Anti-Z39IG Antibody; anti-VSIG4 antibody

PRODUCT SPECIFICATIONS

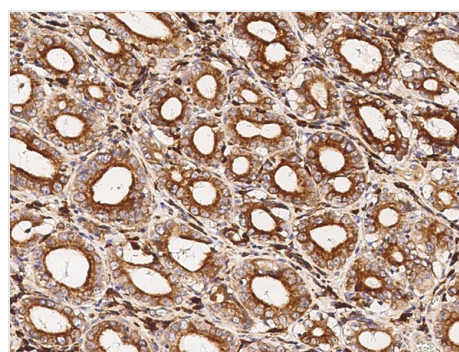
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Human VSIG4
Purity/Purification	Protein A & Antigen Affinity
Form/Format	Liquid; 0.2um filtered solution in PBS
Applicable Applications for anti-VSIG4 antibody	IHC (Immunohistochemistry), ELISA
Immunogen	Recombinant Human VSIG4 Protein
Conjugation	Unconjugated
Preparation	Produced in rabbits immunized with purified, recombinant Human VSIG4 (rh VSIG4). VSIG4 specific IgG was purified by Human VSIG4 affinity chromatography.
Preparation and Storage	This antibody can be stored at 2-8 degree C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 degree C to -80 degree C. Preservative-Free. Avoid repeated freeze-thaw cycles.

IMAGES



IHC (Immunohistochemistry)

Immunochemical staining of human VSIG4 in human placenta with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).



IHC (Immunohistochemistry)

Immunochemical staining of human VSIG4 in human stomach with rabbit polyclonal antibody (1:1000, formalin-fixed paraffin embedded sections).

ADDITIONAL INFORMATION

Related Product Information for anti-VSIG4 antibody	VSIG4 (V-set and immunoglobulin domain containing 4), also known as complement receptor of the immunoglobulin superfamily (CRlg) and Z39Ig, is a type I transmembrane glycoprotein. It is a B7 family-related protein and an Ig superfamily member. In contrast to the B7 family members which contain two IgG domains, VSIG4 contains one complete V-type I g domain and a truncated C-type I g domain. VSIG4 is exclusively expressed on tissue resident macrophages and binds to multimers of C3b and iC3b that are covalently attached to particle surfaces. No VSIG4 expression appears to be present in T and B cells. VSIG4 functions as a negative regulator of T cell activation, and may be involved in the maintenance of peripheral T cell tolerance, and is also identified as a potent suppressor of established inflammation. Mouse VSIG4 is synthesized as a 28 amino acid precursor that contains a signal sequence, a V-type I g domain (aa 36-115), one potential N-linked glycosylation site, and a single transmembrane domain. The V-type I g domain of mouse VSIG4 shares 86% and 8% aa sequence identity with the V-type I g domains of rat and human VSIG4, respectively.
References	Vogt, L. et al., 2006, J Clin Invest.116: 2817-2826. Helmy, K. et al., 2006, Cell. 124:915-927. Wiesmann, C. et al., 2006, Nature. 444:217-220. Zang, X. et al., 2006, J Clin Invest. 116: 2590-2593. Katschke, KJ. et al., 2007, J. Exp. Med. 204:1319-1325. He, JQ. et al., 2008, Mol Immunol. 45: 4041-4047.

NCBI AND UNIPROT INFORMATION

NCBI GI #	296434251
NCBI GeneID	11326
NCBI Accession #	NP_001171759.1
NCBI GenBank Nucleotide #	NM_001184830.1
UniProt Accession #	Q9Y279; Q6UXI4
Molecular Weight	43,987 Da
NCBI Official Full Name	V-set and immunoglobulin domain-containing protein 4 isoform 4
NCBI Official Synonym Full Names	V-set and immunoglobulin domain containing 4
NCBI Official Symbol	VSIG4
NCBI Official Synonym Symbols	CRlg; Z39IG
NCBI Protein Information	V-set and immunoglobulin domain-containing protein 4; protein Z39Ig; OTTHUMP00000023439; OTTHUMP00000023441; OTTHUMP00000023442; Ig superfamily protein; complement receptor of the immunoglobulin superfamily
UniProt Protein Name	V-set and immunoglobulin domain-containing protein 4
UniProt Gene Name	VSIG4
UniProt Synonym Gene Names	CRlg; Z39IG
UniProt Entry Name	VSIG4_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/vsig4-antibody-immunohistochemistry-elisa-255531>