

Rabbit anti-Human HLA class I histocompatibility antigen, alpha chain G Polyclonal Antibody | anti-HLA-G antibody

Rabbit anti-Human HLA class I histocompatibility antigen, alpha chain G polyclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA229085	Rabbit	Human	Immunofluorescence, Immunohistochemistry, Western Blot, ELISA

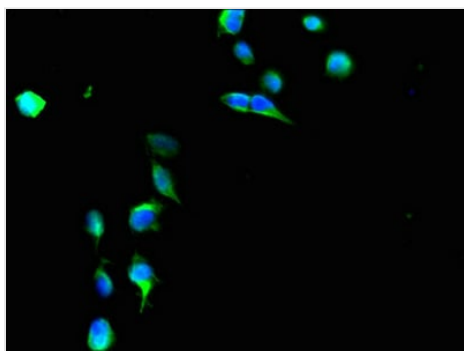
PRODUCT SYNONYMS

HLA class I histocompatibility antigen; alpha chain G; Polyclonal Antibody; Rabbit anti-Human HLA class I histocompatibility antigen; alpha chain G polyclonal Antibody; HLA G antigen; MHC class I antigen G; HLA-G; HLA-6.0; HLAG; anti-HLA-G antibody

PRODUCT SPECIFICATIONS

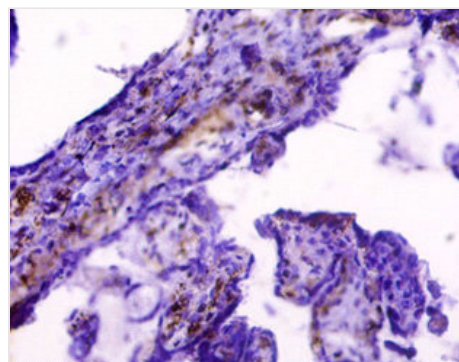
Host	Rabbit
Reactivity	Human
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Caprylic Acid Ammonium Sulfate Precipitation purified
Form/Format	Liquid
Sequence Length	338
Applicable Applications for anti-HLA-G antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot), ELISA
Immunogen	Recombinant human HLA class I histocompatibility antigen, alpha chain G protein
Conjugation	Non-conjugated
Storage Buffer	Preservative: 0.03% Proclin 300; Constituents: 50% Glycerol, 0.01M PBS, PH 7.4
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-17959 / sc-17958
Preparation and Storage	Shipped at 4 degree C. Upon delivery, aliquot and store at -20 degree C or -80 degree C.

IMAGES



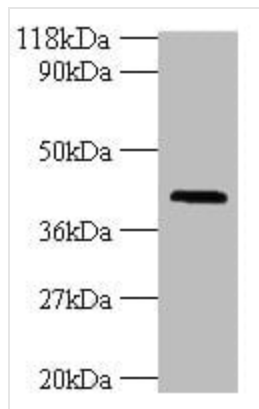
IHC (Immunohistochemistry)

Immunofluorescent analysis of 293T cells using AAA229085 at a dilution of 1:100 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG(H+L)



IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded human placenta using AAA229085 at dilution of 1:50



WB (Western Blot)
All lanes: HLA class I histocompatibility antigen, alpha chain G antibody at 2ug/ml+U251 whole cell lysateSecondaryGoat polyclonal to Rabbit IgG at 1/10000 dilutionPredicted band size: 38kDaObserved band size: 38 kDa

ADDITIONAL INFORMATION

Related Product Information for anti-HLA-G antibody	Involved in the presentation of foreign antigens to the immune system. Plays a role in maternal tolerance of the fetus by mediating protection from the deleterious effects of natural killer cells, cytotoxic T-lymphocytes, macrophages and mononuclear cells. HLA-G belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta-2 microglobulin). The heavy chain is anchored in the membrane. HLA-G is expressed on fetal derived placental cells. The heavy chain is approximately 45 kDa and its gene contains 8 exons. Exon one encodes the leader peptide, exons 2 and 3 encode the alpha1 and alpha2 domain, which both bind the peptide, exon 4 encodes the alpha3 domain, exon 5 encodes the transmembrane region, and exon 6 encodes the cytoplasmic tail.
Product Categories/Family for anti-HLA-G antibody	Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4504415
NCBI GeneID	3135
NCBI Accession #	NP_002118.1
NCBI GenBank Nucleotide #	NM_002127.5
UniProt Accession #	P17693
Molecular Weight	38,224 Da
NCBI Official Full Name	HLA class I histocompatibility antigen, alpha chain G
NCBI Official Synonym Full Names	major histocompatibility complex, class I, G
NCBI Official Symbol	HLA-G
NCBI Official Synonym Symbols	MHC-G
NCBI Protein Information	HLA class I histocompatibility antigen, alpha chain G
UniProt Protein Name	HLA class I histocompatibility antigen, alpha chain G
UniProt Gene Name	HLA-G
UniProt Synonym Gene Names	HLA-6.0; HLAG
UniProt Entry Name	HLAG_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/hla-class-i-histocompatibility-antigen-alpha-chain-g-antibody-immunofluorescence-immunohistochemistry-western-blot-elisa/229085>