Product datasheet for TA325084

HLAG (HLA-G) Rabbit Polyclonal Antibody

Product data:

Product Type: Primary Antibodies  
Applications: FC, IHC, WB  
Reactivity: Human  
Host: Rabbit  
Isotype: IgG  
Clonality: Polyclonal  
Immunogen: This HLA-G antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 62-89 amino acids from the Central region of human HLA-G.  
Formulation: Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide.  
Concentration: lot specific  
Purification: This antibody is purified through a protein A column, followed by peptide affinity purification.  
Conjugation: Unconjugated  
Storage: Store at -20°C as received.  
Stability: Stable for 12 months from date of receipt.  
Predicted Protein Size: 38224 Da  
Gene Name: major histocompatibility complex, class I, G  
Database Link: NP_002118  
Entrez Gene 3135 Human  
P17693  
Synonyms: MHC-G  
Protein Families: Transmembrane  
Protein Pathways: Allograft rejection, Antigen processing and presentation, Autoimmune thyroid disease, Cell adhesion molecules (CAMs), Endocytosis, Graft-versus-host disease, Natural killer cell mediated cytotoxicity, Type I diabetes mellitus, Viral myocarditis
Product images:

Western blot analysis of HLA-G Antibody (Center) (Cat. #TA325084) in NCI-H460 cell line lysates (35ug/lane). HLA-G (arrow) was detected using the purified Pab.

Western blot analysis of HLA-G (arrow) using rabbit polyclonal HLA-G Antibody (Center) (Cat. #TA325084). 293 cell lysates (2 ug/lane) either nontransfected (Lane 1) or transiently transfected (Lane 2) with the HLA-G gene.
Western blot analysis of lysate from human placenta tissue lysate, using HLA-G Antibody (Center) (Cat. #TA325084). TA325084 was diluted at 1:1000 at each lane. A goat anti-rabbit IgG H&L (HRP) at 1:5000 dilution was used as the secondary antibody. Lysate at 35ug per lane.

Formalin-fixed and paraffin-embedded human lung carcinoma reacted with HLA-G Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry; clinical relevance has not been evaluated.

HLA-G Antibody (Center) (Cat. #TA325084) flow cytometry analysis of NCI-H460 cells (bottom histogram) compared to a negative control cell (top histogram). FITC-conjugated goat-anti-rabbit secondary antibodies were used for the analysis.