

Product Name: CD316 Rabbit Polyclonal Antibody
Catalog #: APRab08358



Summary

Production Name	CD316 Rabbit Polyclonal Antibody
Description	Rabbit Polyclonal Antibody
Host	Rabbit
Application	WB,ELISA
Reactivity	Human,Mouse

Performance

Conjugation	Unconjugated
Modification	Unmodified
Isotype	IgG
Clonality	Polyclonal
Form	Liquid
Storage	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
Buffer	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
Purification	Affinity purification

Immunogen

Gene Name	IGSF8
Alternative Names	IGSF8; CD81P3; EWI2; KCT4; Immunoglobulin superfamily member 8; IgSF8; CD81 partner 3; Glu-Trp-Ile EWI motif-containing protein 2; EWI-2; Keratinocytes-associated transmembrane protein 4; KCT-4; LIR-D1; Prostaglandin regulatory-like protein; PGRL; CD316
Gene ID	93185.0
SwissProt ID	Q969P0. The antiserum was produced against synthesized peptide derived from the Internal region of human IGSF8. AA range:451-500

Application

Dilution Ratio	WB 1:500-1:2000, ELISA 1:20000. Not yet tested in other applications.
Molecular Weight	65kDa

Background

This gene encodes a member the EWI subfamily of the immunoglobulin protein superfamily. Members of this family contain a single transmembrane domain, an EWI (Glu-Trp-Ile)-motif and a variable number of immunoglobulin domains. This protein interacts with the tetraspanins CD81 and CD9 and may regulate their role in certain cellular functions including cell migration and viral infection. The encoded protein may also function as a tumor suppressor by inhibiting the proliferation of certain cancers. Alternate splicing results in multiple transcript variants that encode the same protein. [provided by RefSeq, Sep 2011],domain:The Ig-like C2-type domains 3 and 4 are required for interaction with CD81.,function:May play a key role in diverse functions ascribed to CD81 and CD9 such as oocytes fertilization or hepatitis C virus function. May regulate proliferation and differentiation of keratinocytes. May be a negative regulator of cell motility: suppresses T-cell mobility coordinately with CD81, associates with CD82 to suppress prostate cancer cell migration, regulates epidermoid cell reaggregation and motility on laminin-5 with CD9 and CD81 as key linkers. May also play a role on integrin-dependent morphology and motility functions. May participate in the regulation of neurite outgrowth and maintenance of the neural network in the adult brain.,similarity:Contains 4 Ig-like C2-type (immunoglobulin-like) domains.,subunit:Interacts directly with CD82, CD81/tetraspanin-28 and CD9/tetraspanin-29. Also interacts with integrin alpha-3/beta-1 and integrin alpha-4/beta-1.,tissue specificity:Expressed in brain, kidney, testis, liver and placenta with moderate expression in all other tissues. Detected on a majority of B-cells, T-cells, and natural killer cells but not on monocytes, polynuclear cells and platelets.,

Research Area

Image Data



Western Blot analysis of NIH-3T3 cells using CD316 Polyclonal Antibody.. Secondary antibody was diluted at 1:20000

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Note

For research use only.