



CD316 Monoclonal Antibody

Catalog No	YP-mAb-14038
Isotype	IgG
Reactivity	Human;Mouse;Rat
Applications	WB
Gene Name	IGSF8
Immunogen	The antiserum was produced against synthesized peptide derived from the Internal region of human IGSF8. AA range:451-500
Specificity	CD316 Monoclonal Antibody detects endogenous levels of CD316 protein.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse,IgG
Purification	The antibody was affinity-purified from mouse antiserum by affinity-chromatography using epitope-specific immunogen.
Dilution	WB 1:500-1:2000
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	IgSF8;CD316;CD81 partner 3;CD81P3;EWI 2;Immunoglobulin superfamily member 8;EWI2;KCT4;Glu-Trp-Ile EWI motif-containing protein 2;EWI-2;Keratinocytes-associated transmembrane protein 4;KCT-4;LIR-D1;Prostaglandin regulatory-like protein;PGRL
Observed Band	65kD
Calculated Molecular Weight	65kD
Cell Pathway	Cell membrane ; Single-pass membrane protein.
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.
Function	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 interac

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],

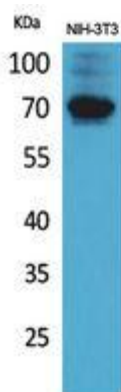
matters needing attention

Avoid repeated freezing and thawing!

Usage suggestions

This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western Blot analysis of various cells using CD316 Monoclonal Antibody