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ITGAE Antibody (C-term)

Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP10494b

Specification

ITGAE Antibody (C-term) - Product Information

Application	**WB,E**
Primary Accession	P38570
Other Accession	NP_002199.3
Reactivity	**Human**
Host	**Rabbit**
Clonality	**Polyclonal**
Isotype	**Rabbit IgG**
Calculated MW	**130159**
Antigen Region	**1146-1173**

ITGAE Antibody (C-term) - Additional Information

Gene ID 3682

Other Names
Integrin alpha-E, HML-1 antigen, Integrin alpha-IEL, Mucosal lymphocyte 1 antigen, CD103, Integrin alpha-E light chain, Integrin alpha-E heavy chain, ITGAE

Target/Specificity
This ITGAE antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 1146-1173 amino acids from the C-terminal region of human ITGAE.

Dilution
WB~~1:1000

Format
Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage
Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions
ITGAE Antibody (C-term) is for research use only and not for use in diagnostic or therapeutic procedures.

ITGAE Antibody (C-term) - Protein Information

Name ITGAE

Function Integrin alpha-E/beta-7 is a receptor for E-cadherin. It mediates adhesion of

intra-epithelial T-lymphocytes to epithelial cell monolayers.

Cellular Location
Membrane; Single-pass type I membrane protein.

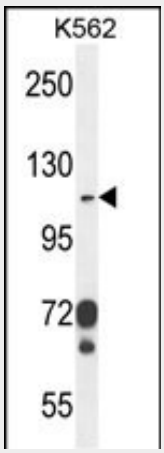
Tissue Location
Expressed on a subclass of T-lymphocytes known as intra-epithelial lymphocytes which are located between mucosal epithelial cells

ITGAE Antibody (C-term) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

ITGAE Antibody (C-term) - Images



ITGAE Antibody (C-term) (Cat. #AP10494b) western blot analysis in K562 cell line lysates (35ug/lane).This demonstrates the ITGAE antibody detected the ITGAE protein (arrow).

ITGAE Antibody (C-term) - Background

Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. ITGAE encodes an I-domain-containing alpha integrin that undergoes post-translational cleavage in the extracellular domain, yielding disulfide-linked heavy and light chains. In combination with the beta 7 integrin, this protein forms the E-cadherin binding integrin known as the human mucosal lymphocyte-1 antigen. This protein is preferentially expressed in human intestinal intraepithelial lymphocytes (IEL), and in addition to a role in adhesion, it may serve as an accessory molecule for IEL activation. [provided by RefSeq].

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ITGAE Antibody (C-term) - References

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Liu, Y.H., et al. Ophthalmology 117(8):1645-1651(2010)
Rose, J.E., et al. Mol. Med. 16 (7-8), 247-253 (2010) :
Davila, S., et al. Genes Immun. 11(3):232-238(2010)
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