



Integrin α E Polyclonal Antibody

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|---------------------------|--|
| Catalog No | BYab-17118 |
| Isotype | IgG |
| Reactivity | Human;Rat;Mouse; |
| Applications | WB;IHC;IF;ELISA |
| Gene Name | ITGAE |
| Protein Name | Integrin alpha-E (HML-1 antigen) (Integrin alpha-IEL) (Mucosal lymphocyte 1 antigen) (CD antigen CD103) [Cleaved into: Integrin alpha-E light chain; Integrin alpha-E heavy chain] |
| Immunogen | Synthetic peptide from human protein at AA range: 710-770 |
| Specificity | The antibody detects endogenous Integrin α E |
| Formulation | Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide. |
| Source | Polyclonal, Rabbit,IgG |
| Purification | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen. |
| Dilution | IHC-p 1:50-200, ELISA 1:10000-20000. IF 1:50-200 |
| Concentration | 1 mg/ml |
| Purity | $\geq 90\%$ |
| Storage Stability | -20°C/1 year |
| Synonyms | Integrin alpha-E (HML-1 antigen;Integrin alpha-IEL;Mucosal lymphocyte 1 antigen;CD antigen CD103) [Cleaved into: Integrin alpha-E light chain; Integrin alpha-E heavy chain] |
| Observed Band | |
| Cell Pathway | Membrane; Single-pass type I membrane protein. |
| Tissue Specificity | Expressed on a subclass of T-lymphocytes known as intra-epithelial lymphocytes which are located between mucosal epithelial cells. |
| Function | domain:The integrin I-domain (insert) is a VWFA domain. Integrins with I-domains do not undergo protease cleavage.,function:Integrin alpha-E/beta-7 is a receptor for E-cadherin. It mediates adhesion of intra-epithelial T-lymphocytes to epithelial cell monolayers.,induction:Integrin alpha-E/beta-7 is induced by TGFB1.,similarity:Belongs to the integrin alpha chain family.,similarity:Contains 1 VWFA domain.,similarity:Contains 5 FG-GAP repeats.,subunit:Heterodimer of an alpha and a beta subunit. The alpha subunit is composed of an heavy and a light chains linked by a disulfide bond. Alpha-E associates with beta-7.,tissue |

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Background

integrin subunit alpha E (ITGAE) Homo sapiens Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene 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, Jul 2008],

matters needing attention

Avoid repeated freezing and thawing!

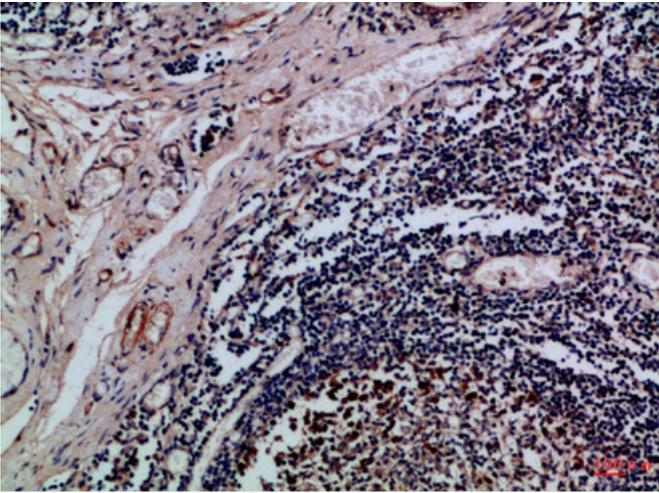
Usage suggestions

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

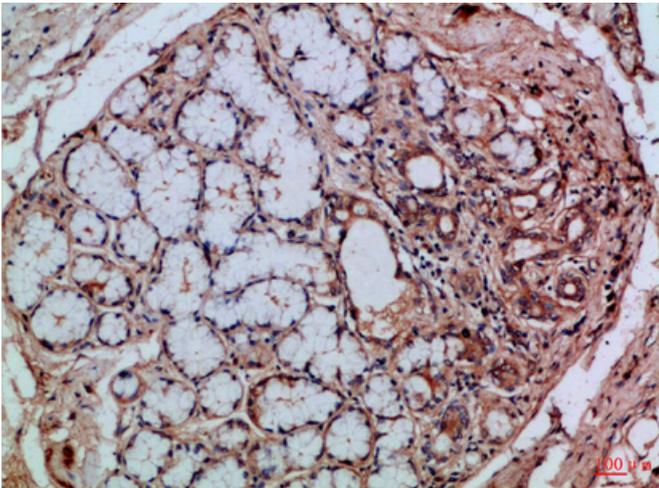
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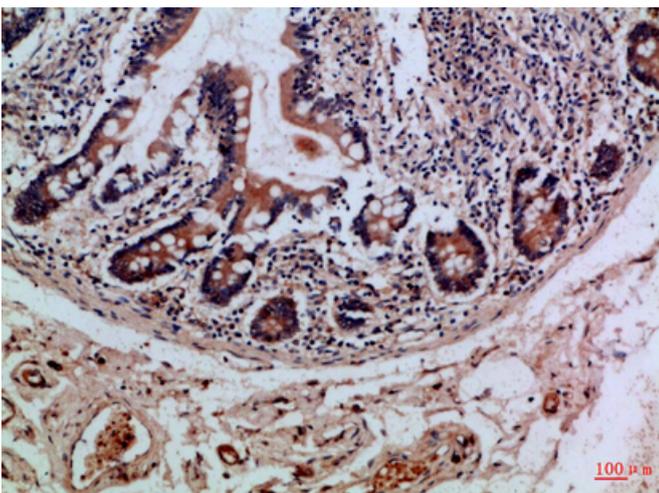
Products Images



Immunohistochemical analysis of paraffin-embedded Human-tonsil, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded Human-tonsil, antibody was diluted at 1:100



Immunohistochemical analysis of paraffin-embedded Human-colon, antibody was diluted at 1:100