

Integrin α E Polyclonal Antibody

Catalog No :	YT6021
Reactivity :	Human;Rat;Mouse;
Applications :	WB;IHC;IF;ELISA
Target :	Integrin α E
Fields :	>>Regulation of actin cytoskeleton
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]
Human Gene Id :	3682
Human Swiss Prot No :	P38570
Mouse Gene Id :	16407
Mouse Swiss Prot No :	Q60677
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
Dilution :	WB 1:500-2000 IHC 1:50-200, ELISA 1:10000-20000. IF 1:50-200
Purification :	The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific immunogen.
Concentration :	1 mg/ml

Storage Stability : -15°C to -25°C/1 year (Do not lower than -25°C)

Molecularweight : 130kD

Cell Pathway : Regulates Actin and Cytoskeleton;

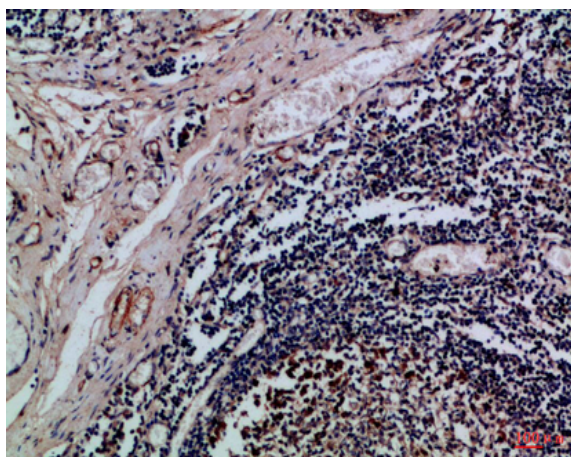
Background : integrin subunit alpha E (ITGAE) Homo sapiens Integrins are heterodimeric integral membrane proteins composed of an alpha chain and a beta chain. This gene encodes an I-domain-containing alpha integrin that undergoes post-translational cleavage in the extracellular domain, yielding disulfide-linked 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],

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 specificity: Expressed on a subclass of T-lymphocytes known as intra-epithelial lymphocytes which are located between mucosal epithelial cells.,

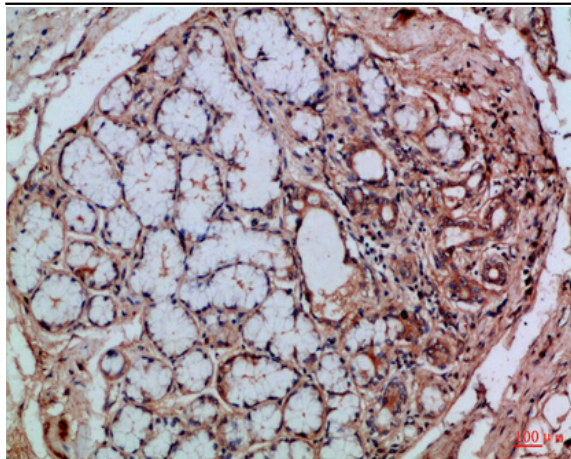
Subcellular Location : Membrane; Single-pass type I membrane protein.

Expression : Expressed on a subclass of T-lymphocytes known as intra-epithelial lymphocytes which are located between mucosal epithelial cells.

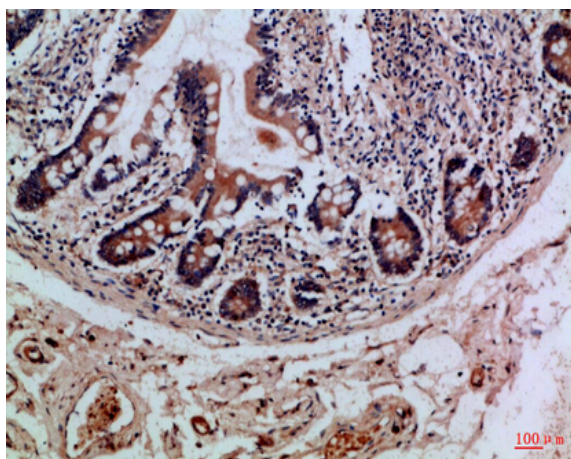
Products Images



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