

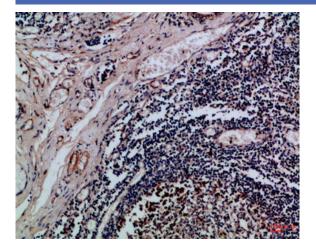
## Integrin aE Polyclonal Antibody

Catalog No :	YT6021
Reactivity :	Human;Mouse
Applications :	WB;IHC;IF;ELISA
Target :	Integrin aE
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 αE
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



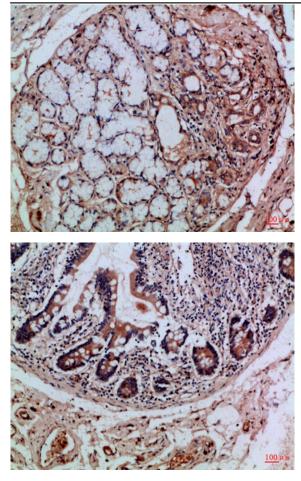
Best Tools for immunology Research		
Storage Stability :	-15°C to -25°C/1 year(Do not lower than -25°C)	
Molecularweight :	130kD	
Cell Pathway :	Regulates Actin and Cytoskeleton;	
Background :	integrin subunit alpha E(ITGAE) Homo sapiens Integrins are heterodimeric integral membrane proteins composed 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	Membrane; Single-pass type I membrane protein.	
Location : 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 Humantonsil, antibody was diluted at 1:100





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

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