

## Integrin $\alpha$ 4 Rabbit pAb

CatalogNo: YT5248

### Key Features

**Host Species**

- Rabbit

**Reactivity**

- Human, Mouse, Rat

**Applications**

- WB, IHC, IF, ELISA

**MW**

- 120kD (Observed)

**Isotype**

- IgG

### Recommended Dilution Ratios

**WB 1:500-1:2000****IHC: 1:100-300****ELISA 1:20000****IF 1:50-200**

### Storage

**Storage\***

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

**Formulation**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.

### Basic Information

**Clonality**

Polyclonal

### Immunogen Information

**Immunogen**

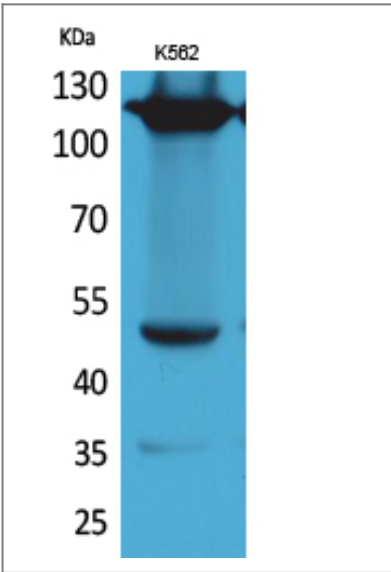
The antiserum was produced against synthesized peptide derived from the Internal region of human ITGA4. AA range: 571-620

**Specificity**Integrin  $\alpha$ 4 Polyclonal Antibody detects endogenous levels of Integrin  $\alpha$ 4 protein.

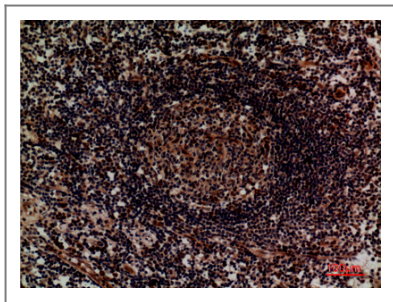
### Target Information

Gene name	ITGA4		
Protein Name	Integrin alpha-4		
	Organism	Gene ID	UniProt ID
	Human	<a href="#">3676</a> ;	<a href="#">P13612</a> ;
	Mouse	<a href="#">16401</a> ;	<a href="#">Q00651</a> ;
Cellular Localization	Membrane; Single-pass type I membrane protein.		
Tissue specificity	Lymph,Peripheral blood,Prostate,Spleen,Testis,		
Function	<p>Domain:The SG1 motif is involved in binding to chondroitin sulfate glycosaminoglycan and cell adhesion.,Function:Integrins alpha-4/beta-1 (VLA-4) and alpha-4/beta-7 are receptors for fibronectin. They recognize one or more domains within the alternatively spliced CS-1 and CS-5 regions of fibronectin. They are also receptors for VCAM1. Integrin alpha-4/beta-1 recognizes the sequence Q-I-D-S in VCAM1. Integrin alpha-4/beta-7 is also a receptor for MADCAM1. It recognizes the sequence L-D-T in MADCAM1. On activated endothelial cells integrin VLA-4 triggers homotypic aggregation for most VLA-4-positive leukocyte cell lines. It may also participate in cytolytic T-cell interactions with target cells.,PTM:Phosphorylation on Ser-1027 inhibits PXN binding.,similarity:Belongs to the integrin alpha chain family.,similarity:Contains 7 FG-GAP repeats.,subunit:Heterodimer of an alpha and a beta subunit. The alpha subunit can sometimes be cleaved into two non-covalently associated fragments. Alpha-4 associates with either beta-1 or beta-7. Alpha-4 interacts with PXN, LPXN, and TGFB1I1/HIC5. Interacts with CSPG4 through CSPG4 chondroitin sulfate glycosaminoglycan.,</p>		

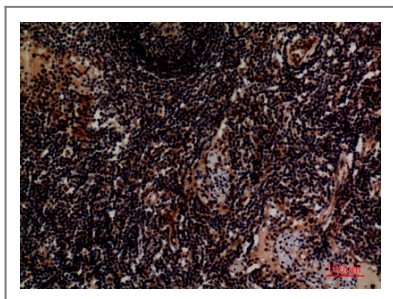
| Validation Data



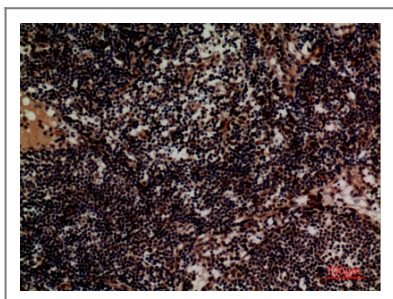
Western Blot analysis of K562 cells using Integrin α4 Polyclonal Antibody. Antibody was diluted at 1:1000. Secondary antibody(catalog#:RS0002) was diluted at 1:20000



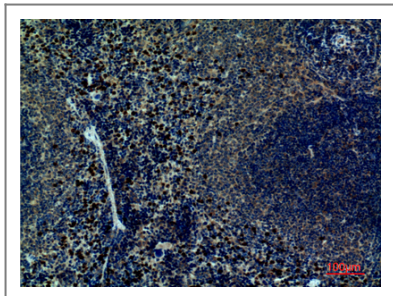
Immunohistochemical analysis of paraffin-embedded human-lymph, antibody was diluted at 1:100



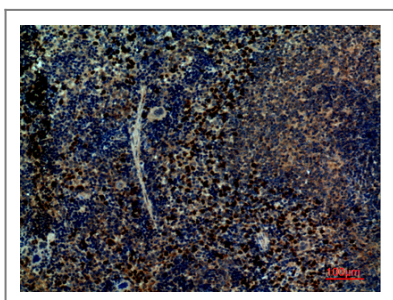
Immunohistochemical analysis of paraffin-embedded human-lymph, antibody was diluted at 1:100



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



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



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

## **Contact information**

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Address: 2200 Ringwood Ave San Jose, CA 95131 USA



Please scan the QR code  
to access additional  
product information:  
**Integrin  $\alpha$ 4 Rabbit  
pAb**

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For Research Use Only. Not for Use in Diagnostic Procedures.

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