

## Integrin alpha4 Ab

[References\(2\)](#) [Images\(2\)](#)

Cat.#: DF6135                      Concn.: ~1mg/ml                      Mol.Wt.: 115kDa  
Size:                                      Source: Rabbit                              Clonality: Polyclonal

**Application:**                      WB 1:500-1:2000, IHC 1:50-1:200  
\*The optimal dilutions should be determined by the end user.

**Reactivity:**                      Human,Mouse,Rat

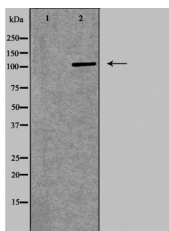
**Storage:**                              Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol. Store at -20 °C. Stable for 12 months from date of receipt.

**Purification:**                      The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

**Immunogen:**                      A synthesized peptide derived from human Integrin alpha4, corresponding to a region within C-terminal amino acids.

**Uniprot:**                              P13612

**Description:**                      Integrins are  $\alpha\beta$  heterodimeric cell surface receptors that play a pivotal role in cell adhesion and migration, as well as in growth and survival (1,2). The integrin family contains at least 18  $\alpha$  and 8  $\beta$  subunits that form 24 known integrins with distinct tissue distribution and overlapping ligand specificities . Integrins not only transmit signals to cells in response to the extracellular environment (outside-in signaling), but also sense intracellular cues to alter their interaction with the extracellular environment (inside-out signaling) (1,2). A pair of important  $\alpha$  integrins,  $\alpha4$ 1 and  $\alpha4$ 7, interact with VCAM-1, fibronectin, and MAdCAM-1 at cell adhesions .



Western blot analysis of Jurkat lysates using ITGA4 Ab. The lane on the left was treated with the antigen-specific peptide.

**IMPORTANT:** For western blot, incubate membrane with diluted primary Ab in 5% w/v milk , 1X TBS, 0.1% Tween@20 at 4°C with gentle shaking, overnight.

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