

## Integrin alpha 1 Polyclonal Antibody

Catalog: BS65865

Host: Rabbit

Reactivity: Human, Mouse, Rat, Cow, Horse,

### BackGround:

Integrins are important extracellular matrix (ECM) receptor proteins located on cell surfaces. They are heterodimers composed of an alpha and a beta transmembrane glycoprotein subunit. Around twenty two different integrins (different alpha/ beta subunit combinations) are found in nature. Integrins are generally present in high concentrations at the cell surface, but, unlike most other cell surface receptors, they bind ligands with very low affinity. Due to their weak individual binding, integrins need to cluster and bind in groups in order to effectively bind the ECM. Integrins bind many different ligands including laminin. Each integrin is made up of a large N terminal extracellular domain that binds the ECM ligand and a small C terminal cytoplasmic domain that mediates interaction with the actin cytoskeleton and signaling function. Alpha 1 integrin along with alpha 2, alpha L and alpha M has a unique inserted domain. Integrin alpha 1 is a receptor for laminin and collagen. The alpha1 subunit is also known as CD49a. CD49a associates with CD29 (beta 1 integrin), to form an alpha1 beta1 heterodimer, identified as the rat homologue to VLA1, which is involved in cellular adhesion to laminin and collagen.

### Product:

0.01M TBS(pH7.4) with 1% BSA, 0.03% Proclin300 and 50% Glycerol.

### Molecular Weight:

~160kDa

### Swiss-Prot:

P56199

### Purification&Purity:

affinity purified by Protein A

### Applications:

WB=1:500-2000

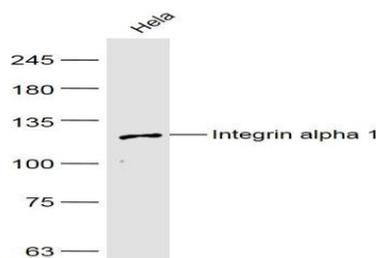
### Storage&Stability:

Store at 4 °C short term. Aliquot and store at -38 °C long term. Avoid freeze-thaw cycles.

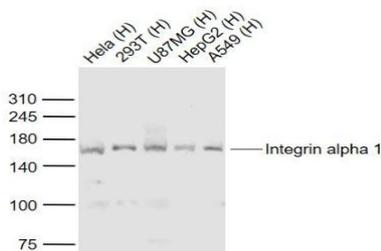
### Specificity:

Integrin alpha 1 Polyclonal Antibody detects endogenous levels of Integrin alpha 1 protein.

### DATA:



Primary: Anti-Integrin alpha 1 at 1/300 dilution



Primary: Anti-Integrin alpha 1 at 1/1000 dilution

### Note:

For research use only, not for use in diagnostic procedure.

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