Integrin beta 1 Monoclonal Antibody

**Catalog No.** A11060  
**Category** Monoclonal Antibodies  
**Applications** WB, IHC  
**Observed MW** 100-130kDa  
**Cross-reactivity** Human, Mouse, Rat  
**Calculated MW** 87kDa/88kDa/91kDa

**Immunogen Information**

- **Immunogen**: Recombinant protein of human ITGB1  
- **Gene ID**: 3688  
- **Swiss prot**: P05556  
- **Synonyms**: ITGB1; CD29; FNRB; GPIIA; MDF2; MSK12; VLA-BET A; VLAB; integrin beta-1

**Product Information**

- **Source**: Rabbit  
- **Isotype**: IgG  
- **Purification method**: Affinity purification  
- **Storage**: Store at -20°C. Avoid freeze / thaw cycles. Buffer: PBS with 0.02% sodium azide, 50% glycerol, pH 7.3.

**Background**

Integrins are heterodimeric proteins made up of alpha and beta subunits. At least 18 alpha and 8 beta subunits have been described in mammals. Integrin family members are membrane receptors involved in cell adhesion and recognition in a variety of processes including embryogenesis, hemostasis, tissue repair, immune response and metastatic diffusion of tumor cells. This gene encodes a beta subunit. Multiple alternatively spliced transcript variants which encode different protein isoforms have been found for this gene.

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**Recommended Dilutions**

- **WB**: 1:500 - 1:2000  
- **IHC**: 1:50 - 1:200

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**Western blot analysis** of extracts of various cell lines, using ITGB1 antibody (A11060) at 1:1000 dilution. Secondary antibody: HRP Goat Anti-Rabbit IgG (H+L) (AS014) at 1:10000 dilution. Lysates/proteins: 25ug per lane. Blocking buffer: 3% nonfat dry milk in TBST. Detection: ECL Enhanced Kit (RM00021). Exposure time: 90s.
Immunohistochemistry of paraffin-embedded human liver cancer using ITGB1 antibody (A11060) at dilution of 1:100 (40x lens).

Immunohistochemistry of paraffin-embedded human colon carcinoma using ITGB1 antibody (A11060) at dilution of 1:100 (40x lens).

Immunohistochemistry of paraffin-embedded human liver cancer using ITGB1 antibody (A11060) at dilution of 1:100 (40x lens).

Immunohistochemistry of paraffin-embedded mouse colon using ITGB1 antibody (A11060) at dilution of 1:100 (40x lens).