

Anti-Integrin a-6B [6B4]

Catalogue number: 154745

Sub-type: Primary antibody

Images:

Contributor

Inventor: Arnoud Sonnenberg

Institute: Netherlands Cancer Institute

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-Integrin a-6B [6B4]

Alternate name: ITGA6; CD49F Antigen

Class: Monoclonal

Conjugate: Unconjugated

Description: The ITGA6 protein product is the integrin alpha chain alpha 6. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. For example, alpha 6 may combine with beta 4 in the integrin referred to as TSP180, or with beta 1 in the integrin VLA-6. Specific loss of this integrin chain in the intestinal epithelium, and thus of their hemidesmosomes, induces long-standing colitis and infiltrating adenocarcinomas.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG1

Reactivity: Human

Selectivity:

Host: Mouse

Immunogen: A mouse was immunized with a synthetic peptide corresponding to a 34 amino acid stretch in the cytoplasmic domain of integrin a6B including an appending N-terminal cysteine: CSRYDDSVPRYHAVRIRKEEREIKDEKYIDNLEKK coupled to keyhole limpet hemocyanin.

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:
Formulation:
Recommended controls:
Bacterial resistance:
Selectable markers:
Additional notes:

Target details

Target: Integrin $\alpha 6\beta$

Target alternate names:

Target background: The ITGA6 protein product is the integrin alpha chain alpha 6. Integrins are integral cell-surface proteins composed of an alpha chain and a beta chain. A given chain may combine with multiple partners resulting in different integrins. For example, alpha 6 may combine with beta 4 in the integrin referred to as TSP180, or with beta 1 in the integrin VLA-6. Specific loss of this integrin chain in the intestinal epithelium, and thus of their hemidesmosomes, induces long-standing colitis and infiltrating adenocarcinomas.

Molecular weight:

Ic50:

Applications

Application: IHC ; WB
Application notes:

Handling

Format: Liquid
Concentration: 0.9-1.1 mg/ml
Passage number:
Growth medium:
Temperature:
Atmosphere:
Volume:
Storage medium:
Storage buffer: PBS with 0.02% azide
Storage conditions: -15° C to -25° C
Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: de Melker et al. 1997. Lab Invest. 76(4):547-63. PMID: 9111516.

CancerTools.org