

## Anti-integrin beta 4 binding protein/EIF6 Antibody Picoband® PE Conjugated

Catalog Number: PB9582-PE

### About EIF6

EIF6 (Eukaryotic Translation Initiation Factor 6), also called EIF3A or ITGB4BP, is a human gene. By fluorescence in situ hybridization, Sanvito et al. (1998) mapped the ITGB4BP gene to 20q11.2. Ceci et al. (2003) demonstrated that the ribosomal 60S subunit is activated by release of EIF6. In the cytoplasm, EIF6 is bound to free 60S but not to 80S subunits. Furthermore, EIF6 interacts in the cytoplasm with RACK1, a receptor for activated protein kinase C. Gandin et al. (2008) demonstrated that mammalian eIF6 is required for efficient initiation of translation in vivo. Eif6-null mouse embryos were lethal at preimplantation. Heterozygous mice had 50% reduction of eIF6 levels in all tissues, and showed reduced mass of hepatic and adipose tissues due to a lower number of cells and to impaired G1/S cell cycle progression.

### Overview

|                      |  |
|----------------------|--|
| Product Name         | Anti-integrin beta 4 binding protein/EIF6 Antibody Picoband® PE Conjugated                                   |
| Reactive Species     | Human, Mouse, Rat  |
| Application          | Flow Cytometry   |
| Clonality            | Polyclonal   |
| Formulation          | Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% Na <sub>3</sub> N. |
| Storage Instructions | At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.         |
| Host                 | Rabbit   |
| Uniprot ID           | P56537   |

### Technical Details

|                  |   |
|------------------|---|
| Immunogen        | E.coli-derived human EIF6 recombinant protein (Position: N66-T210). Human EIF6 shares 99.3% amino acid (aa) sequence identity with both mouse and rat EIF6. |
| Cross Reactivity | No cross-reactivity with other proteins   |
| Isotype          | Rabbit IgG  |
| Form             | Liquid  |
| Concentration    | 0.5 mg/mL   |
| Purification     | Immunogen affinity purified.  |
| Conjugate        | PE<br>Excitation Wavelength: 566 nm   |

|                     |  |
|---------------------|--|
|                     | Emission Wavelength: 574 nm  |
| Suggested Dilutions | Flow Cytometry, Optimal dilutions should be determined by end users. |

## Submit a product review to Biocompare.com

Submit a review of this product to Biocompare.com to receive a \$20 Amazon.com giftcard! Your reviews help your fellow scientists make the right decisions. Thank you for your contribution.



Anti-integrin beta 4 binding protein/EIF6 Antibody - PE

For Research Use Only. Not for use in diagnostic procedures.