

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

Catalog Number: PA2031-HRP

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® HRP Conjugated
Reactive Species	Human, Mouse, Rat
Application	WB, IHC, ELISA
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na ₂ HPO ₄ .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing.
Host	Rabbit
Uniprot ID	P56537

Technical Details

Immunogen	A synthetic peptide corresponding to a sequence in the middle region of human EIF6, different from the related rat and mouse sequences by one amino acid.
Cross Reactivity	No cross-reactivity with other proteins
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	HRP

Suggested Dilutions

Western blot, Optimal dilutions should be determined by end users.
Immunohistochemistry (Paraffin-embedded Section), Optimal dilutions should be determined by end users.
ELISA, 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 - HRP

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