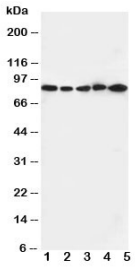
CD18 Antibody (R30705)

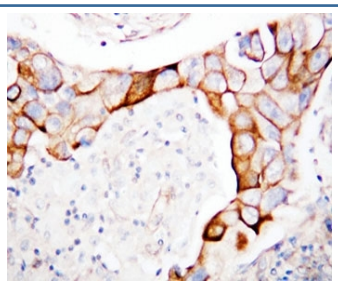
Catalog No.	Formulation	Size
R30705	0.5mg/ml if reconstituted with 0.2ml sterile DI water	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human, Mouse, Rat
Format	Antigen affinity purified
Host	Rabbit
Clonality	Polyclonal (rabbit origin)
Isotype	Rabbit IgG
Purity	Antigen affinity
Buffer	Lyophilized from 1X PBS with 2.5% BSA and 0.025% sodium azide/thimerosal
UniProt	P05107
Applications	Western blot: 0.5-1ug/ml IHC (FFPE): 0.5-1ug/ml
Limitations	This CD18 antibody is available for research use only.



Western blot testing of CD18 antibody and Lane 1: Jurkat cell lysate ; 2: CEM; 3: HT1080; 4: SMMC-7721; 5: HeLa cell lysate. Predicted/observed molecular weight: 85~95 kDa depending on glycosylation level.



IHC-P: CD18 antibody testing of human breast cancer tissue. HIER: steamed with pH6 citrate buffer.

Description

ITGB2 (Integrin beta 2), also known as CD18, is a protein that in humans is encoded by the ITGB2 gene. ITGB2/CD18 is an integrin protein that belongs to the class of cell membrane glycoproteins. The beta-2 integrin chain gene is designated ITGB2 and the leukocyte antigen has been designated CD18. The ITGB2 gene is mapped to 21q22.3. The expression of CD18 is increased in lymphoblastoid cells from persons with Down syndrome, consistent with the location of the gene on chromosome 21. In humans, lack of ITGB2 causes Leukocyte Adhesion Deficiency, a disease defined by a lack of leukocyte extravasation from blood into tissues. Although ITGB2 is expressed on the cell surface at normal levels and is capable of function following extracellular stimulation, it could not be activated via the inside-out signaling pathways.

For a broader CD18-focused reagent, see our CD18 Antibody / ITGB2 Polyclonal Antibody page.

Application Notes

The stated application concentrations are suggested starting amounts. Titration of the CD18 antibody may be required due to differences in protocols and secondary/substrate sensitivity.

Immunogen

An amino acid sequence from the C-terminus of human CD18 (LREYRRFEKEKLKSQWN) was used as the immunogen for this CD18 antibody.

Storage

After reconstitution, the CD18 antibody can be stored for up to one month at 4oC. For long-term, aliquot and store at -20oC. Avoid repeated freezing and thawing.

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