

## CD18/ITGB2 Antibody | anti-CD18/ITGB2 antibody

CD18/ITGB2 (Phospho-Thr758) Antibody

|                               |                                        |                                                                |
|-------------------------------|----------------------------------------|----------------------------------------------------------------|
| CATALOG #<br><b>AAA111719</b> | REACTIVITY<br><b>Human, Mouse, Rat</b> | APPLICATIONS<br><b>ELISA, Immunofluorescence, Western Blot</b> |
|-------------------------------|----------------------------------------|----------------------------------------------------------------|

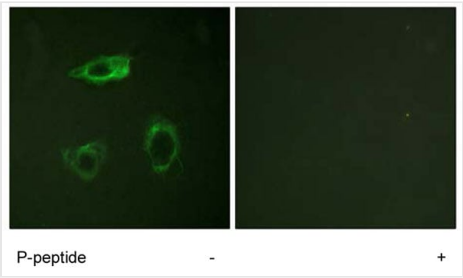
### PRODUCT SYNONYMS

CD18/ITGB2; CD18/ITGB2 (Phospho-Thr758) Antibody; CD18; cell surface adhesion glycoproteins LFA-1/CR3/p150; 95 beta; complement receptor C3 beta; integrin beta-2; ITB2; anti-CD18/ITGB2 antibody

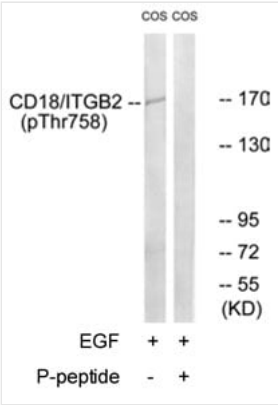
### PRODUCT SPECIFICATIONS

|                                                      |                                                                                                                                                                                                                                                                      |
|------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity                                           | Human, Mouse, Rat                                                                                                                                                                                                                                                    |
| Specificity                                          | CD18/ITGB2 (Phospho-Thr758) antibody detects endogenous levels of CD18/ITGB2 only when phosphorylated at threonine 578.                                                                                                                                              |
| Form/Format                                          | Rabbit IgG in phosphate buffered saline (without Mg2+ and Ca2+), pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.                                                                                                                                            |
| Concentration                                        | 1mg/ml (varies by lot)                                                                                                                                                                                                                                               |
| Sequence Length                                      | 769                                                                                                                                                                                                                                                                  |
| Applicable Applications for anti-CD18/ITGB2 antibody | ELISA, IF (Immunofluorescence), WB (Western Blot)                                                                                                                                                                                                                    |
| Immunogen                                            | The antiserum was produced against synthesized phosphopeptide derived from human CD18/ITGB2 around the phosphorylation site of threonine 758 (S-A-TP-T-T).                                                                                                           |
| All Sites                                            | Human: Thr758<br>Mouse: Thr760<br>Rat: Thr757                                                                                                                                                                                                                        |
| Purification                                         | The antibody was affinity-purified from rabbit antiserum by affinity-chromatography using epitope-specific phosphopeptide. The antibody against non-phosphopeptide was removed by chromatography using non-phosphopeptide corresponding to the phosphorylation site. |
| Preparation and Storage                              | Store at -20 degree C for 1 year.                                                                                                                                                                                                                                    |

IMAGES



**IF (Immunofluorescence)**  
Immunofluorescence analysis of HepG2 cells, using CD18/ITGB2 (Phospho-Thr758) antibody.



**WB (Western Blot)**  
Western blot analysis of extracts from COS cells, treated with EGF (200ng/ml, 30mins), using CD18/ITGB2 (Phospho-Thr758) antibody.

ADDITIONAL INFORMATION

|                                                        |                                                                                                                                                                                                                   |
|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Categories/Family for anti-CD18/ITGB2 antibody | Autophagy antibody; Cancer; Cardiovascular; Cell Biology; Epigenetics & Nuclear Signaling; Developmental Biologys; Immunology; Drug Discovery Products; Metabolism; Neuroscience; Signal Transduction; Stem Cells |
| References                                             | Kishimoto T.K., Cell 48:681-690(1987). Weitzman J.B., FEBS Lett. 294-97-103(1991). Hattori M., Nature 405:311-319(2000).                                                                                          |

NCBI AND UNIPROT INFORMATION

|                                  |                                                |
|----------------------------------|------------------------------------------------|
| NCBI GI #                        | 735367775                                      |
| NCBI GeneID                      | 3689                                           |
| NCBI Accession #                 | NP_000202.3                                    |
| NCBI GenBank Nucleotide #        | NM_000211.4                                    |
| UniProt Accession #              | P05107; Q16418; Q53HS5; Q9UD72; B3KTS8; D3DSM1 |
| Molecular Weight                 | 84,782 Da                                      |
| NCBI Official Full Name          | integrin beta-2 isoform 1                      |
| NCBI Official Synonym Full Names | integrin subunit beta 2                        |
| NCBI Official Symbol             | ITGB2                                          |
| NCBI Official Synonym Symbols    | LAD; CD18; MF17; MFI7; LCAMB; LFA-1; MAC-1     |
| NCBI Protein Information         | integrin beta-2                                |
| UniProt Protein Name             | Integrin beta-2                                |
| UniProt Gene Name                | ITGB2                                          |
| UniProt Synonym Gene Names       | CD18; MFI7                                     |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.