

Phospho-CD18 (Ser745) Rabbit mAb
Catalog # AP75214**Specification**

Phospho-CD18 (Ser745) Rabbit mAb - Product Information

Application	WB, IP
Primary Accession	P05107
Reactivity	Human, Mouse, Rat
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	84791

Phospho-CD18 (Ser745) Rabbit mAb - Additional Information**Gene ID** 3689**Other Names**
ITGB2**Dilution**
WB~~1/500-1/1000
IP~~N/A**Format**
50mM Tris-Glycine(pH 7.4), 0.15M NaCl, 40%Glycerol, 0.01% sodium azide and 0.05% BSA.**Storage**
Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.**Phospho-CD18 (Ser745) Rabbit mAb - Protein Information****Name** ITGB2**Synonyms** CD18, MFI7**Function**

Integrin ITGAL/ITGB2 is a receptor for ICAM1, ICAM2, ICAM3 and ICAM4. Integrin ITGAL/ITGB2 is also a receptor for the secreted form of ubiquitin-like protein ISG15; the interaction is mediated by ITGAL (PubMed:<[a href="http://www.uniprot.org/citations/29100055" target="_blank">29100055](http://www.uniprot.org/citations/29100055)). Integrins ITGAM/ITGB2 and ITGAX/ITGB2 are receptors for the iC3b fragment of the third complement component and for fibrinogen. Integrin ITGAX/ITGB2 recognizes the sequence G-P-R in fibrinogen alpha-chain. Integrin ITGAM/ITGB2 recognizes P1 and P2 peptides of fibrinogen gamma chain. Integrin ITGAM/ITGB2 is also a receptor for factor X. Integrin ITGAD/ITGB2 is a receptor for ICAM3 and VCAM1. Contributes to natural killer cell cytotoxicity (PubMed:<[a href="http://www.uniprot.org/citations/15356110" target="_blank">15356110](http://www.uniprot.org/citations/15356110)). Involved in leukocyte adhesion and transmigration of leukocytes including T-cells and neutrophils (PubMed:<[a href="http://www.uniprot.org/citations/11812992" target="_blank">11812992](http://www.uniprot.org/citations/11812992), PubMed:<

href="http://www.uniprot.org/citations/28807980" target="_blank">28807980). Triggers neutrophil transmigration during lung injury through PTK2B/PYK2-mediated activation (PubMed:18587400). Integrin ITGAL/ITGB2 in association with ICAM3, contributes to apoptotic neutrophil phagocytosis by macrophages (PubMed:23775590). In association with alpha subunit ITGAM/CD11b, required for CD177-PRTN3- mediated activation of TNF primed neutrophils (PubMed:21193407).

Cellular Location

Cell membrane; Single-pass type I membrane protein. Membrane raft; Single-pass type I membrane protein

Tissue Location

Leukocytes (PubMed:23775590). Expressed in neutrophils (at protein level) (PubMed:21193407, PubMed:28807980)

Phospho-CD18 (Ser745) Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Phospho-CD18 (Ser745) Rabbit mAb - Images

