

**Integrin  $\beta$ 2 Polyclonal Antibody**  
Catalog # AP73644**Specification****Integrin  $\beta$ 2 Polyclonal Antibody - Product Information**

Application	WB
Primary Accession	<a href="#">P05107</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal

**Integrin  $\beta$ 2 Polyclonal Antibody - Additional Information****Gene ID** 3689**Other Names**

ITGB2; CD18; MFI7; Integrin beta-2; Cell surface adhesion glycoproteins LFA-1/CR3/p150, 95 subunit beta; Complement receptor C3 subunit beta; CD18

**Dilution**

WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/20000. Not yet tested in other applications.

**Format**

Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.09% (W/V) sodium azide.

**Storage Conditions**

-20°C

**Integrin  $\beta$ 2 Polyclonal Antibody - 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:<<http://www.uniprot.org/citations/29100055>>29100055</a>). 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:<<http://www.uniprot.org/citations/15356110>>15356110</a>). Involved in leukocyte adhesion and transmigration of leukocytes including T-cells and neutrophils (PubMed:<<http://www.uniprot.org/citations/11812992>>11812992</a>, PubMed:<<http://www.uniprot.org/citations/28807980>>28807980</a>). Triggers

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

#### Cellular Location

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

#### Tissue Location

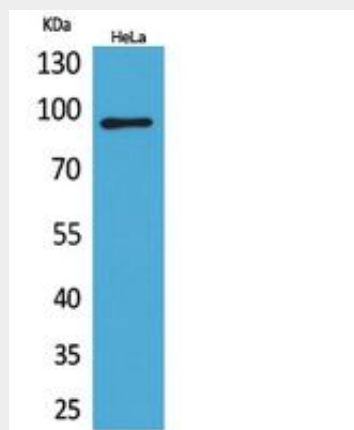
Leukocytes (PubMed:23775590). Expressed in neutrophils (at protein level) (PubMed:21193407, PubMed:28807980)

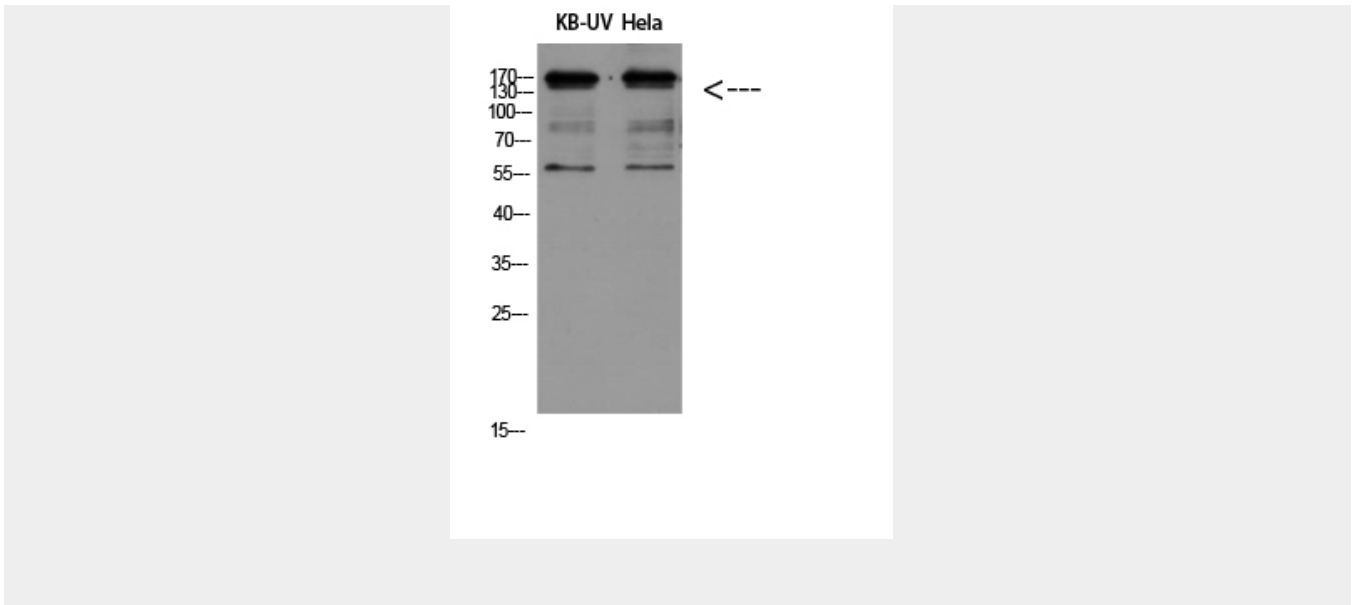
### Integrin $\beta 2$ Polyclonal Antibody - Protocols

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](#)

### Integrin $\beta 2$ Polyclonal Antibody - Images





### Integrin $\beta 2$ Polyclonal Antibody - Background

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