

# Cleaved-Integrin $\alpha$ 6 LC (E942) Polyclonal Antibody

Catalog # AP63165

## Product Information

Application	WB
Primary Accession	<a href="#">P23229</a>
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Calculated MW	126606

## Additional Information

Gene ID	3655
Other Names	ITGA6; Integrin alpha-6; CD49 antigen-like family member F; VLA-6; CD antigen CD49f
Dilution	WB~~Western Blot: 1/500 - 1/2000. ELISA: 1/10000. 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

## Protein Information

Name	ITGA6
Function	Integrin alpha-6/beta-1 (ITGA6:ITGB1) is a receptor for laminin on platelets (By similarity). Integrin alpha-6/beta-1 (ITGA6:ITGB1) is present in oocytes and is involved in sperm-egg fusion (By similarity). Integrin alpha-6/beta-4 (ITGA6:ITGB4) is a receptor for laminin in epithelial cells and it plays a critical structural role in the hemidesmosome (By similarity). ITGA6:ITGB4 binds to NRG1 (via EGF domain) and this binding is essential for NRG1-ERBB signaling (PubMed: <a href="#">20682778</a> ). ITGA6:ITGB4 binds to IGF1 and this binding is essential for IGF1 signaling (PubMed: <a href="#">22351760</a> ). ITGA6:ITGB4 binds to IGF2 and this binding is essential for IGF2 signaling (PubMed: <a href="#">28873464</a> ).
Cellular Location	Cell membrane; Single-pass type I membrane protein. Cell membrane; Lipid-anchor
Tissue Location	Integrin alpha-6/beta-4 is predominantly expressed by epithelia. Isoforms containing segment X1 are ubiquitously expressed. Isoforms containing segment X1X2 are expressed in heart, kidney, placenta, colon, duodenum, myoblasts and myotubes, and in a limited number of cell lines; they are

always coexpressed with the ubiquitous isoform containing segment X1. In some tissues (e.g Salivary gland), isoforms containing cytoplasmic segment A and isoforms containing segment B are detected while in others, only isoforms containing one cytoplasmic segment are found (segment A in epidermis and segment B in kidney). Processed integrin alpha-6: Expressed at low levels in normal prostate tissue with elevated levels in prostate cancer tissue (at protein level) (PubMed:15023541)

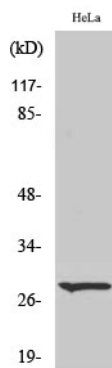
## Background

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## Images

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Western Blot analysis of various cells using  
Cleaved-Integrin α6 LC (E942) Polyclonal Antibody

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.