

Datasheet for ABIN5539494

anti-Integrin alpha 1 antibody (Internal Region)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Integrin alpha 1 (ITGA1)
Binding Specificity:	Internal Region
Reactivity:	Human
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This Integrin alpha 1 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA

Product Details

Purpose:	ITGA1 / VLA1
Sequence:	DKHDFQDSVR IT
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified from goat serum by ammonium sulphate precipitation followed by antigen affinity chromatography using the immunizing peptide.
Grade:	Verified

Target Details

Target:	Integrin alpha 1 (ITGA1)
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Target Details

Alternative Name:	ITGA1 (ITGA1 Products)
Background:	ITGA1, integrin, alpha 1, CD49a, VLA1, CD49 antigen-like family member A, VLA-1, integrin alpha-1, laminin and collagen receptor, very late activation protein 1
Gene ID:	3672
NCBI Accession:	NP_852478
Pathways:	EGFR Signaling Pathway , CXCR4-mediated Signaling Events , Signaling of Hepatocyte Growth Factor Receptor , Integrin Complex

Application Details

Application Notes:	Western Blot: Approx 150 kDa band observed in lysates of cell lines HepG2 and HeLa (calculated MW of 131 kDa according to NP_852478.1). The observed molecular weight corresponds to the glycosylated form. Recommended concentration: 0.3-1 µg/mL. Peptide ELISA: antibody detection limit dilution 1:128000.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Supplied at 0.5 mg/mL in Tris saline, 0.02 % sodium azide, pH 7.3 with 0.5 % bovine serum albumin.
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Minimize freezing and thawing.
Storage:	-20 °C
Storage Comment:	Aliquot and store at -20°C, with minimal freeze/thawing. A working aliquot may be refrigerated at 4°C for a few weeks and still remain viable.



Western Blotting

Image 1. ABIN5539494 (0.5µg/ml) staining of HeLa (A) and HepG2 (B) lysates (35µg protein in RIPA buffer). Primary incubation was 1 hour. Detected by chemiluminescence.