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Datasheet for ABIN517250  
**anti-CD51 antibody (AA 1-1048)**

3 Images

Overview

Quantity:	50 µg
Target:	CD51 (ITGAV)
Binding Specificity:	AA 1-1048
Reactivity:	Human
Host:	Mouse
Clonality:	Polyclonal
Conjugate:	This CD51 antibody is un-conjugated
Application:	Western Blotting (WB), Proximity Ligation Assay (PLA)

Product Details

Purpose:	Mouse polyclonal antibody raised against a full-length human ITGAV protein.
Immunogen:	ITGAV (NP_002201.1, 1 a.a. ~ 1048 a.a) full-length human protein.
Sequence:	MAFPRRRLR LGPRGLPLLL SGLLLPLCRA FNLDVDSPA EYSGPEGSYFG FAVDFFVPSA SSQMFLLVGA PKANTTQPGI VEGGQVLKCD WSSTRRCQPI EFDATGNRDY AKDDPLEFKS HQWFGASVRS KQDKILACAP LYHWRTEMKQ EREPVGTCFL QDGTKTVEYA PCRSQDIDAD GQGFCQGGFS IDFTKADRVL LGGPGSFYWQ GQLISDQVAE IVSKYDPNVY SIKYNNQLAT RTAQAIFFDS YLGYSVAVG D FNGDGIDDFV SGVPRAARTL GMVYIYDGKN MSSLYNFTGE QMAAYFGFSV AATDINGDDY ADVFIGAPLF MDRGSDGKLQ EVGQVSVSLQ RASGDFQTTK LNGFEVFARF GSAIAPLGDL DQDGFNDIAI AAPYGGEDKK GIVYIFNGRS TGLNAVPSQI LEGQWAARSM PPSFGYSMKG ATDIDKNGYP DLIVGAFGVD RAILYRARPV ITVNAGLEVY PSILNQDNKT CSLPGTALKV SCFNVRFLCK ADGKGVLP RK LNFQVELLLD KLKQKGAIRR ALFLYSRSPS HSKNMTISRG GLMQCEELIA YLRDESEFRD KLTPITIFME YRLDYRTAAD

## Product Details

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TTGLQPILNQ FTPANISRQA HILLDCGEDN VCKPKLEVS V DSDQKKIYIG DDNPLTLIVK  
AQNQGEGAYE AELIVSIPLQ ADFIGVVRNN EALARLSCAF KTENQTRQVV CDLGNPMKAG  
TQLLAGLRFS VHQQSEMDTS VKFDLQIQSS NLFDKVSPVV SHKVDLAVLA AVEIRGVSSP  
DHIFLPIPNW EHKENPETEE DVGPVQHIY ELRNNGPSSF SKAMLHLQWP YKYNNTLLY  
ILHYDIDGPM NCTSDMEINP LRIKISSLQT TEKNDTVAGQ GERDHLITKR DLALSEGDIH  
TLGCGVAQCL KIVCQVGRLD RGKSAILYVK SLLWTETFMN KENQNHSYSL KSSASFNVIE  
FPYKNLPIED ITNSTLVTTN VTWGIQPAPM PVPVWVWIIA VLAGLLLLAV LVFVMYRMGF  
FKRVRPPQEE QEREQLQPHE NGEENSET

Cross-Reactivity:	Human
Characteristics:	Antibody reactive against mammalian transfected lysate.

## Target Details

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Target:	CD51 (ITGAV)
Alternative Name:	ITGAV ( <a href="#">ITGAV Products</a> )
Background:	Full Gene Name: integrin, alpha V (vitronectin receptor, alpha polypeptide, antigen CD51) Synonyms: CD51,DKFZp686A08142,MSK8,VNRA
Gene ID:	3685
NCBI Accession:	<a href="#">NM_002210</a>
Pathways:	<a href="#">Cell-Cell Junction Organization</a> , <a href="#">Signaling Events mediated by VEGFR1 and VEGFR2</a> , <a href="#">Growth Factor Binding</a> , <a href="#">Integrin Complex</a>

## Application Details

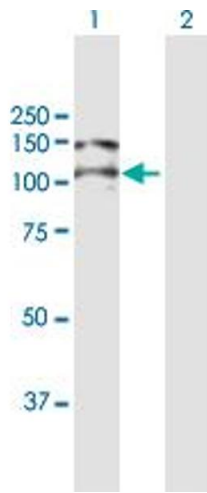
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Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

## Handling

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Buffer:	In 1x PBS, pH 7.4
Handling Advice:	Aliquot to avoid repeated freezing and thawing.
Storage:	-20 °C
Storage Comment:	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

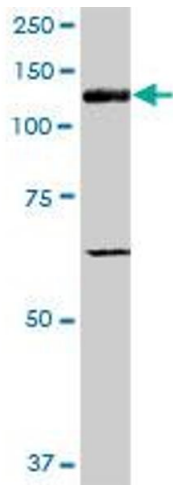


### Western Blotting

**Image 1.** Western Blot analysis of ITGAV expression in transfected 293T cell line by ITGAV MaxPab polyclonal antibody.

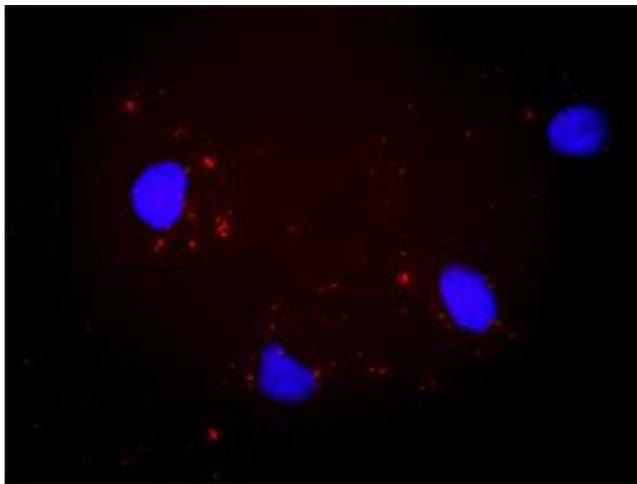
Lane 1: ITGAV transfected lysate(115.28 KDa).

Lane 2: Non-transfected lysate.



### Western Blotting

**Image 2.** ITGAV MaxPab polyclonal antibody. Western Blot analysis of ITGAV expression in U-2 OS.



### Proximity Ligation Assay

**Image 3.** Proximity Ligation Analysis of protein-protein interactions between PTK2 and ITGAV. Mahlavu cells were stained with anti-PTK2 rabbit purified polyclonal 1:1200 and anti-ITGAV mouse purified polyclonal antibody 1:50. Each red dot represents the detection of protein-protein interaction complex, and nuclei were counterstained with DAPI (blue).