

Datasheet for ABIN7426256
anti-Integrin alpha 1 antibody (AA 125-366)



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Overview

Quantity:	100 µL
Target:	Integrin alpha 1 (ITGA1)
Binding Specificity:	AA 125-366
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This Integrin alpha 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (IHC), Immunoprecipitation (IP), Immunocytochemistry (ICC)

Product Details

Purpose:	Monoclonal Antibody to Integrin Alpha 1 (ITGa1)
Immunogen:	Recombinant Integrin Alpha 1 (ITGa1) corresponding to Gly125~Ala366 with N-terminal His Tag
Clone:	D7
Isotype:	IgG2b kappa
Specificity:	The antibody is a mouse monoclonal antibody raised against ITGa1. It has been selected for its ability to recognize ITGa1 in immunohistochemical staining and western blotting.
Purification:	Protein A + Protein G affinity chromatography

Target Details

Target:	Integrin alpha 1 (ITGA1)
Alternative Name:	ITGa1 (ITGA1 Products)
Background:	CD49-A, CD49a, ITG-A1, VLA1, CD49 antigen-like family member A, Laminin and collagen receptor
UniProt:	P56199
Pathways:	EGFR Signaling Pathway , CXCR4-mediated Signaling Events , Signaling of Hepatocyte Growth Factor Receptor , Integrin Complex

Application Details

Application Notes:	Western blotting: 0.01-2 µg/mL, Immunohistochemistry: 5-20 µg/mL, Immunocytochemistry: 5-20 µg/mL, Optimal working dilutions must be determined by end user.
Comment:	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 mg/mL
Buffer:	PBS, pH 7.4, containing 0.02 % Sodium azide, 50 % glycerol.
Preservative:	ProClin, Sodium azide
Precaution of Use:	This product contains ProClin and Sodium azide: POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Storage:	4 °C, -20 °C
Storage Comment:	Store at 4°C for frequent use. Stored at -20°C in a manual defrost freezer for two year without detectable loss of activity. Avoid repeated freeze-thaw cycles.
Expiry Date:	24 months