



Datasheet for ABIN652761

anti-Integrin alpha 1 antibody (AA 727-755)



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2 Images

1 Publication

Overview

Quantity:	400 µL
Target:	Integrin alpha 1 (ITGA1)
Binding Specificity:	AA 727-755
Reactivity:	Human, Mouse
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Integrin alpha 1 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Immunogen:	This ITGA1 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 727-755 amino acids from the Central region of human ITGA1.
Clone:	RB23364
Isotype:	Ig Fraction
Purification:	This antibody is purified through a protein A column, followed by peptide affinity purification.

Target Details

Target:	Integrin alpha 1 (ITGA1)
Alternative Name:	ITGA1 (ITGA1 Products)
Background:	ITGA1 is the alpha 1 subunit of integrin receptors. This protein heterodimerizes with the beta 1

Target Details

subunit to form a cell-surface receptor for collagen and laminin. The heterodimeric receptor is involved in cell-cell adhesion and may play a role in inflammation and fibrosis. The alpha 1 subunit contains an inserted (I) von Willebrand factor type I domain which is thought to be involved in collagen binding.

Molecular Weight: 130848

Gene ID: 3672

NCBI Accession: [NP_852478](#)

UniProt: [P56199](#)

Pathways: [EGFR Signaling Pathway](#), [CXCR4-mediated Signaling Events](#), [Signaling of Hepatocyte Growth Factor Receptor](#), [Integrin Complex](#)

Application Details

Application Notes: WB: 1:1000. IHC-P: 1:10~50

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: Purified polyclonal antibody supplied in PBS with 0.09 % (W/V) sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

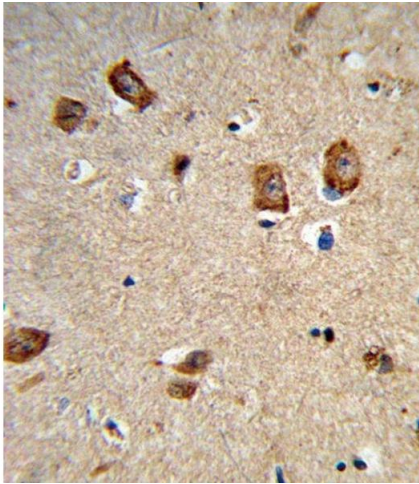
Storage: 4 °C, -20 °C

Storage Comment: Maintain refrigerated at 2-8 °C for up to 6 months. For long term storage store at -20 °C in small aliquots to prevent freeze-thaw cycles.

Expiry Date: 6 months

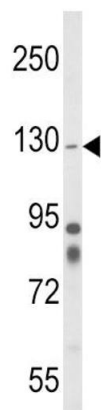
Publications

Product cited in: He, Yang, Li: "The clinical pathological significance of Thy1 and CD49f expression in chondrosarcomas." in: **Pathology, research and practice**, Vol. 212, Issue 7, pp. 636-42, (2017) ([PubMed](#)).



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin-embedded human brain tissue reacted with ITGA1 Antibody (Center), which was peroxidase-conjugated to the secondary antibody, followed by DAB staining. This data demonstrates the use of this antibody for immunohistochemistry, clinical relevance has not been evaluated.



Western Blotting

Image 2. Western blot analysis of ITGA1 Antibody (Center) (ABIN652761 and ABIN2842500) in mouse cerebellum tissue lysates (35 µg/lane). ITGA1 (arrow) was detected using the purified Pab.