



[Go to Product page](#)

Datasheet for ABIN6264313

anti-Plexin A2 antibody (Internal Region)

2 Images

Overview

Quantity:	100 µL
Target:	Plexin A2 (Plxna2)
Binding Specificity:	Internal Region
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This Plexin A2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC)

Product Details

Immunogen:	A synthesized peptide derived from human PLXNA2, corresponding to a region within the internal amino acids.
Isotype:	IgG
Specificity:	PLXNA2 Antibody detects endogenous levels of total PLXNA2.
Predicted Reactivity:	Pig,Zebrafish,Sheep,Rabbit,Dog,Chicken
Purification:	The antiserum was purified by peptide affinity chromatography using SulfoLink™ Coupling Resin (Thermo Fisher Scientific).

Target Details

Target:	Plexin A2 (Plxna2)
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Target Details

Alternative Name: [PLXNA2 \(Plxna2 Products\)](#)

Background: Description: Coreceptor for SEMA3A and SEMA6A. Necessary for signaling by SEMA6A and class 3 semaphorins and subsequent remodeling of the cytoskeleton. Plays a role in axon guidance, invasive growth and cell migration. Class 3 semaphorins bind to a complex composed of a neuropilin and a plexin. The plexin modulates the affinity of the complex for specific semaphorins, and its cytoplasmic domain is required for the activation of down-stream signaling events in the cytoplasm (By similarity).

Gene: PLXNA2

Molecular Weight: 211kDa

Gene ID: 5362

UniProt: [O75051](#)

Application Details

Application Notes: WB 1:1000-3000, IHC 1:200, ELISA(peptide) 1:20000-1:40000

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol.

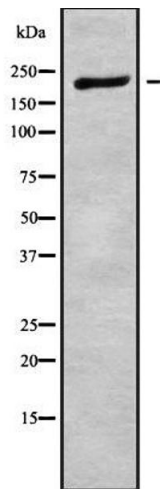
Preservative: Sodium azide

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

Storage: -20 °C

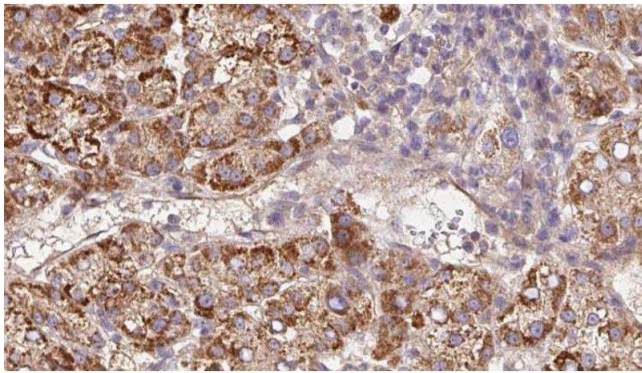
Storage Comment: Store at -20 °C. Stable for 12 months from date of receipt.

Expiry Date: 12 months



Western Blotting

Image 1. Western blot analysis of PLXNA2 using Jurkat whole cell lysates



Immunohistochemistry

Image 2. ABIN6279672 at 1/100 staining Human liver cancer tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary