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## Datasheet for ABIN500517 anti-PLXDC2 antibody (C-Term)

2 Images



### Overview

Quantity:	0.1 mg
Target:	PLXDC2
Binding Specificity:	C-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLXDC2 antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Enzyme Immunoassay (EIA)

## Product Details

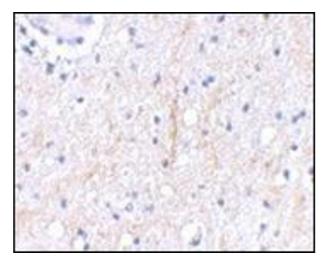
Immunogen:	Plxdc2 antibody was raised against a 17 amino acid peptide from near the carboxy terminus of human Plxdc2.
Isotype:	lgG
Specificity:	This antibody detects Plxdc2 at C-term.
Cross-Reactivity (Details):	Species reactivity (tested):Human, mouse, rat
Purification:	Peptide affinity chromatography
Target Details	

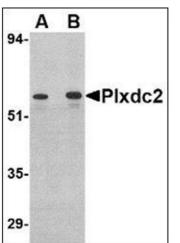
Target:

PLXDC2

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Target Details	
Alternative Name:	PLXDC2 / TEM7R (PLXDC2 Products)
Background:	Plxdc2, also known as Tumor endothelial marker 7-related (TEM7R) encodes a protein with 57 % amino acid identity to TEM7, the most abundant tumor endothelial marker. Plxdc2 is strongly expressed in the endothelial cells of the tumor stroma, but not in the endothelial cells of normal colonic tissue. Plxdc2 is also expressed at high levels in vessels of some normal tissues, with highest expression in muscle and lung. Plxdc2 and TEM7 may be important for tumor angiogenesis in humans. Cortactin was identified as a protein capable of binding to the extracellular region of both TEM7 and Plxdc2, and may provide new opportunities for the delivery of therapeutic and imaging agents to the vessels of solid tumors.Synonyms: Plexin domain-containing protein 2, Tumor endothelial marker 7-related protein
Gene ID:	84898
UniProt:	Q6UX71
Application Details	
Application Notes: Restrictions:	ELISA. Western blot: 0.5 - 1 µg/mL. Immunohistochemistry on paraffin sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user. For Research Use only
Handling	
Buffer:	PBS containing 0.02 % 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.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store at 2 - 8 °C for up to one month or (in aliquots) at -20 °C for longer.





### Immunohistochemistry (Paraffin-embedded Sections)

**Image 1.** Immunohistochemical staining of human brain tissue using AP30681PU-N at 2.5 µg/ml.

## Western Blotting

**Image 2.** Western blot analysis of Plxdc2 in human colon tissue lysate with this product at (A) 0.5 (B) 1 µg/ml.

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