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Datasheet for ABIN6990835 **anti-PLXDC2 antibody (N-Term)**

Overview

Quantity:	0.1 mg
Target:	PLXDC2
Binding Specificity:	AA 40-90, N-Term
Reactivity:	Human, Mouse, Rat
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PLXDC2 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	Plxdc2 antibody was raised against a 18 amino acid synthetic peptide from near the amino terminus of human Plxdc2. The immunogen is located within amino acids 40 - 90 of Plxdc2.
Isotype:	IgG
Purification:	Plxdc2 Antibody is affinity chromatography purified via peptide column.

Target Details

Target:	PLXDC2
Alternative Name:	Plxdc2 (PLXDC2 Products)
Background:	Plxdc2 Antibody: 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.

Target Details

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.

Molecular Weight: Predicted: 55 kDa

Observed: 55 kDa

Gene ID: 84898

UniProt: [Q6UX71](#)

Application Details

Application Notes: Plxdc2 antibody can be used for detection of Plxdc2 by Western blot at 1 and 2 µg/mL. Antibody can also be used for immunohistochemistry starting at 2.5 µg/mL. For immunofluorescence start at 20 µg/mL.

Antibody validated: Western Blot in human and mouse samples, Immunohistochemistry in human samples and Immunofluorescence in human samples. All other applications and species not yet tested.

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 mg/mL

Buffer: Plxdc2 Antibody is supplied in 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.

Storage: -20 °C, 4 °C

Storage Comment: Plxdc2 antibody can be stored at 4°C for three months and -20°C, stable for up to one year. As

with all antibodies care should be taken to avoid repeated freeze thaw cycles. Antibodies should not be exposed to prolonged high temperatures.