Datasheet for ABIN5531881
anti-PRDM6 antibody ( N -Term)

1 Image


Overview

| Quantity: | $400 \mu \mathrm{~L}$ |
| :--- | :--- |
| Target: | PRDM6 |
| Binding Specificity: | AA 44-72, N-Term |
| Reactivity: | Human |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This PRDM6 antibody is un-conjugated |
| Application: | Western Blotting (WB) |

Product Details

| Immunogen: | This PRDM6 antibody is generated from rabbits immunized with a KLH conjugated synthetic <br> peptide between 44-72 amino acids from the N-terminal region of human PRDM6. |
| :--- | :--- |
| Isotype: | Ig Fraction |
| Purification: | This antibody is purified through a protein A column, followed by peptide affinity purification. |

Target Details

| Target: | PRDM6 |
| :--- | :--- |
| Alternative Name: | PRDM6 (PRDM6 Products) |
| Background: | Putative histone methyltransferase that acts as a transcriptional repressor of smooth muscle <br> gene expression. Promotes the transition from differentiated to proliferative smooth muscle by <br> suppressing differentiation and maintaining the proliferative potential of vascular smooth |

## Target Details

|  | muscle cells. Also plays a role in endothelial cells by inhibiting endothelial cell proliferation, survival and differentiation. It is unclear whether it has histone methyltransferase activity in vivo. According to some authors, it does not act as a histone methyltransferase by itself and represses transcription by recruiting EHMT2/G9a. According to others, it possesses histone methyltransferase activity when associated with other proteins and specifically methylates 'Lys-20' of histone H4 in vitro. 'Lys-20' methylation represents a specific tag for epigenetic transcriptional repression (By similarity). |
| :---: | :---: |
| Molecular Weight: | 64 kDa |
| Gene ID: | 93166 |
| UniProt: | Q9NQX0 |
| Pathways: | Regulation of Muscle Cell Differentiation |
| Application Details |  |
| Application Notes: | For WB starting dilution is: 1:1000 |
| Restrictions: | For Research Use only |
| Handling |  |
| Format: | Liquid |
| Concentration: | $0.35 \mathrm{mg} / \mathrm{mL}$ |
| Buffer: | 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: | $4^{\circ} \mathrm{C},-20^{\circ} \mathrm{C}$ |
| Storage Comment: | Store at $4^{\circ} \mathrm{C}$ for three months and $-20^{\circ} \mathrm{C}$, 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. |



