

**SPOCD1 polyclonal antibody**

Catalog: BS35259

Host: Rabbit

Reactivity: Human

BackGround:

SPOC domain-containing protein 1: Protein adapter that acts as an essential executor of PIWIL4-piRNA pathway directed transposon DNA methylation and silencing in the male embryonic germ cells. Recruited to young transposons, which are specifically marked with histone H3 trimethylated at both 'Lys-4' and 'Lys-9' (H3K4me3K9me3), via its association with SPIN1 chromatin reader, and associates with the de novo DNA methylation machinery and repressive chromatin remodeling complexes (By similarity). Following this, PIWIL4 engages with nascent transposable element transcript to direct piRNA-directed DNA methylation. Not required for piRNA biosynthesis (By similarity)

Product:

1mg/ml in 0.42% Potassium phosphate, 0.87% Sodium chloride, pH 7.3, 30% glycerol, and 0.01% sodium azide.

Molecular Weight:

~130 kDa

Swiss-Prot:

Q6ZMY3

Purification&Purity:

The antibody was purified by immunogen affinity chromatography.

Applications:

WB (1/500 - 1/1000)

Storage&Stability:

Store at 4 °C short term. Aliquot and store at -20 °C long term. Avoid freeze-thaw cycles.

Specificity:

Recognizes endogenous levels of SPOCD1 protein

DATA:

Western blot analysis of CLPTM1 expression in HEK293T (A), mouse kidney (B), rat brain (C) whole cell lysates.

Note:

For research use only, not for use in diagnostic procedure.

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