

JMJD6 Polyclonal Antibody

ALTERNATE NAMES: Jumonji Domain Containing 6; PTDSR.

CATALOG #: 6109-50

AMOUNT: 50 µg

HOST: Rabbit

ISOTYPE: IgG

IMMUNOGEN: Human PTDSR amino acids 127-144

PURIFICATION: Antigen Affinity purified

FORMULATION: 50 µg of antibody in 100 µl PBS containing 0.05% BSA and 0.05% sodium salt.

SPECIES REACTIVITY: Human, Chimpanzee, Bovine, Canine, Equine, Mouse, Opossum

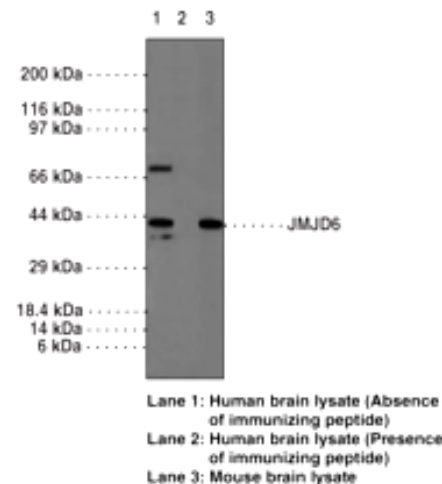
STORAGE CONDITIONS: Store at -20°C. Avoid freeze/thaw cycles.

DESCRIPTION: Tudor domains are small protein structural motifs of about ~50 amino acids related to the “royal family” of methyl readers, which also includes chromo, MBT, PWWP, and Agenet-like domains. Tudor domains occur either alone, in tandem, or with other domains and are found in many proteins that are involved in RNA metabolism, germ cell development, transposon silencing, DNA damage response, histone modification, and chromatin remodeling. The tudor domains recognize symmetric methylated arginine or methylated lysine residues. JMJD6 is a 403 amino acid nuclear protein lysyl-hydroxylase that has been reported to have arginine demethylase activity for histone H3 at ‘Arg-2’ and histone H4 at ‘Arg-3’. JMJD6 has been suggested to function in the differentiation of multiple organs during embryogenesis and regulate hematopoietic differentiation and macrophage cytokine responses. First identified as a putative phosphatidylserine receptor involved in phagocytosis of apoptotic cells, JMJD6 was later indicated not to directly function in the clearance of apoptotic cells. It is ubiquitously expressed in most tissues and is upregulated in patients with chronic pancreatitis and upon cytokine treatment, but not upon TNF-α treatment.

SPECIFICITY: Human, Chimpanzee, Bovine, Canine, Equine, Mouse, Opossum. Predicted to react with zebrafish and drosophila JMJD6 as well.

APPLICATION: Western blot: 0.25 – 1.0 µg/ml.

Note: *This information is only intended as a guide. The optimal dilutions must be determined by the user*



WB using JMJD6 pAb.

RELATED PRODUCTS:

- JMJD1A Antibody (Cat. No. 3273-100)
- JMJD2A Polyclonal Antibody (Cat. No. 6108-50)
- GSK-J1 sodium salt (Cat. No. 2260-1, -5)
- GSK-J4 hydrochloride (Cat. No. 2259-1, -5)
- IOX1 (Cat. No. 2266-5, -25)
- JMJD2A (888-1023 aa), Human recombinant (Cat. No. 7678-20, -50)
- JMJD6 (2-403 aa), Human recombinant (Cat. No. 7679-20, -50)
- SMN Tudor Domain (1472-1613 aa), Human recombinant (Cat. No. 7676-20, -50)

FOR RESEARCH USE ONLY! Not to be used on humans.