

# PHF8 Antibody

**ALTERNATE NAMES:** JHDM1F, MRXSSD, ZNF422

**CATALOG #:** 6850-25

**AMOUNT:** 25 µg

**HOST/ISOTYPE:** Rabbit

**IMMUNOGEN:** Polyclonal antibody raised in rabbit against human PHF8 (PHD finger protein 8), using 3 different KLH-conjugated synthetic peptides.

**FORM:** Liquid

**FORMULATION:** In PBS with 0.05% (W/V) sodium azide and 0.05% ProClin 300.

**PURIFICATION:** Affinity purified

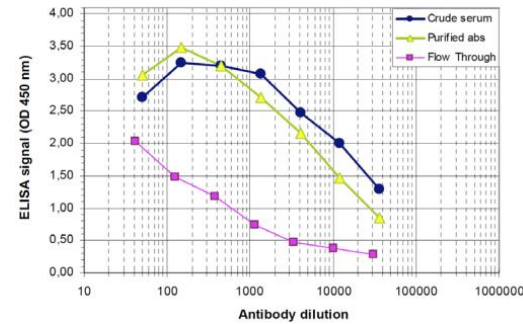
**SPECIES REACTIVITY:** Human.

**STORAGE CONDITIONS:** Store at -20°C; for long storage, store at -80°C. Avoid multiple freeze-thaw cycles.

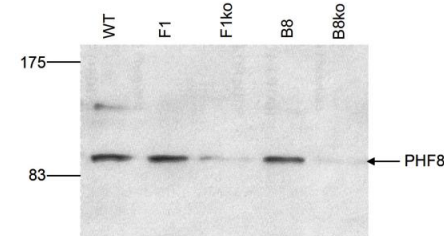
**DESCRIPTION:** PHD finger protein 8 is a Jumonji domain containing protein. Like other members of the jumonji family, PHF8 may therefore play a role in histone demethylation. Mutations in PHF8 lead to Siderius type X-linked mental retardation (MRXSSD), a mild to borderline type of mental retardation.

**APPLICATION:** Western Blot: 1:1000, ELISA: 1:100 – 1:500.

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



To determine the titer of the antibody, an ELISA was performed using a serial dilution of the antibody directed crude serum and Flow through in antigen coated wells. By plotting the absorbance against the antibody dilution, the titer of the antibody was estimated to be 1:6,500.



E14TG2A mouse embryonic stem cells were transfected with a conditional allele of PHF8. Nuclear extracts (135 µg) from wild type cells (WT) and from 2 clones (F1, B8) with an active and a targeted allele (F1ko, B8ko), respectively, were analysed by Western blot using the antibody. The antibody was diluted 1:1,000. The position of the protein of interest is indicated on the right; the marker (in kDa) is shown on the left.

**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.**

