

JHDM1D Polyclonal Antibody
Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP56605**Specification****JHDM1D Polyclonal Antibody - Product Information**

Application	IHC-P, IHC-F, IF, ICC, E
Primary Accession	Q6ZMT4
Reactivity	Rat, Pig, Dog, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	106557

JHDM1D Polyclonal Antibody - Additional Information**Gene ID** 80853**Other Names**

Lysine-specific demethylase 7A, 1.14.11.-, JmjC domain-containing histone demethylation protein 1D, Lysine-specific demethylase 7, KDM7A, JHDM1D, KDM7, KIAA1718

Format

0.01M TBS(pH7.4), 0.09% (W/V) sodium azide and 50% Glyce

Storage

Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody is stable for at least two weeks at 2-4 °C.

JHDM1D Polyclonal Antibody - Protein Information**Name** KDM7A**Synonyms** JHDM1D, KDM7, KIAA1718**Function**

Histone demethylase required for brain development. Specifically demethylates dimethylated 'Lys-9', 'Lys-27' and 'Lys-36' (H3K9me2, H3K27me2, H3K36me2, respectively) of histone H3 and monomethylated histone H4 'Lys-20' residue (H4K20Me1), thereby playing a central role in histone code (PubMed:[20023638](http://www.uniprot.org/citations/20023638), PubMed:[20622853](http://www.uniprot.org/citations/20622853)). Specifically binds trimethylated 'Lys-4' of histone H3 (H3K4me3), affecting histone demethylase specificity: in presence of H3K4me3, it has no demethylase activity toward H3K9me2, while it has high activity toward H3K27me2. Demethylates H3K9me2 in absence of H3K4me3 (PubMed:[20023638](http://www.uniprot.org/citations/20023638)). Has activity toward H4K20Me1 only when nucleosome is used as a substrate and when not histone octamer is used as substrate (PubMed:[20622853](http://www.uniprot.org/citations/20622853)).

Cellular Location

Nucleus.

JHDM1D Polyclonal Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

JHDM1D Polyclonal Antibody - Images