ARG40753
anti-KDM7A / JHDM1D antibody

Package: 100 µl
Store at: -20°C

Summary

Product Description	Rabbit Polyclonal antibody recognizes KDM7A / JHDM1D
Tested Reactivity	Hu, Ms, Rat
Tested Application	WB
Host	Rabbit
Clonality	Polyclonal
Isotype	IgG
Target Name	KDM7A / JHDM1D
Species	Mouse
Immunogen	Recombinant fusion protein corresponding to aa. 417-735 of Mouse KDM7A (NP_001028602.2).
Conjugation	Un-conjugated
Alternate Names	EC 1.14.11.-; Lysine-specific demethylase 7A; Lysine-specific demethylase 7; JHDM1D; JmjC domain-containing histone demethylation protein 1D

Application Instructions

Application table

Application	Dilution
WB	1:500 - 1:2000

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
Positive Control	Mouse spleen
Observed Size	107 kDa

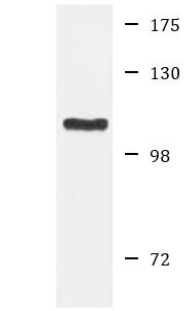
Properties

Form	Liquid
Purification	Affinity purified.
Buffer	PBS (pH 7.3), 0.02% Sodium azide and 50% Glycerol.
Preservative	0.02% Sodium azide
Stabilizer	50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	KDM7A
Gene Full Name	lysine (K)-specific demethylase 7A
Function	Histone demethylase required for brain development. Specifically demethylates dimethylated 'Lys-9' and 'Lys-27' (H3K9me2 and H3K27me2, respectively) of histone H3 and monomethylated histone H4 'Lys-20' residue (H4K20Me1), thereby playing a central role in histone code. 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. Has activity toward H4K20Me1 only when nucleosome is used as a substrate and when not histone octamer is used as substrate. [UniProt]
Highlight	Related products: Anti-Rabbit IgG secondary antibodies; Related news: Hypoxia-induced transcription, histone demethylases are involved
Calculated Mw	107 kDa
Cellular Localization	Nucleus. [UniProt]

Images



ARG40753 anti-KDM7A / JHDM1D antibody WB image

Western blot: 25 µg of Mouse spleen lysate stained with ARG40753 anti-KDM7A / JHDM1D antibody at 1:1000 dilution.