

Rabbit PHF8 Polyclonal Antibody | anti-PHF8 antibody

PHF8 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA29947	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunohistochemistry, Flow Cytometry, Functional Assay

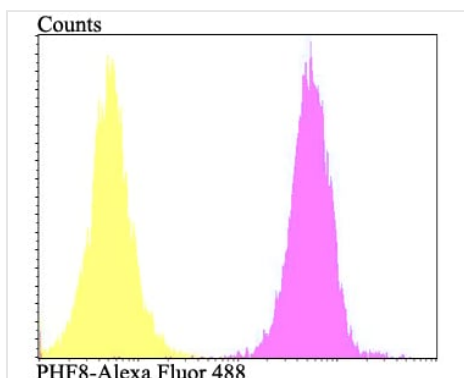
PRODUCT SYNONYMS

PHF8; Polyclonal Antibody; PHF8 Antibody; Histone lysine demethylase PHF8 antibody; JHDM1F antibody; Jumonji C domain containing histone demethylase 1F antibody; MRXSSD antibody; PHD finger protein 8 antibody; PHF8 antibody; PHF8_HUMAN antibody; ZNF422 antibody; anti-PHF8 antibody

PRODUCT SPECIFICATIONS

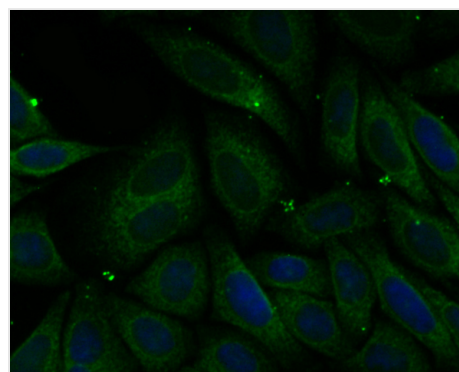
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Purity/Purification	Protein affinity purified
Form/Format	1*TBS (pH7.4), 0.5%BSA, 50%Glycerol. Preservative: 0.05% Sodium Azide.
Applicable Applications for anti-PHF8 antibody	WB (Western Blot), ICC (Immunocytochemistry), IHC (Immunohistochemistry), FCM/FACS (Flow Cytometry)
Application Notes	WB: 1:500-1:2000 IHC: 1:50-1:200 ICC: 1:50-1:200 FC/FACS: 1:50-1:100
Immunogen	Recombinant protein within human PHF8 aa 150-350.
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C.

IMAGES



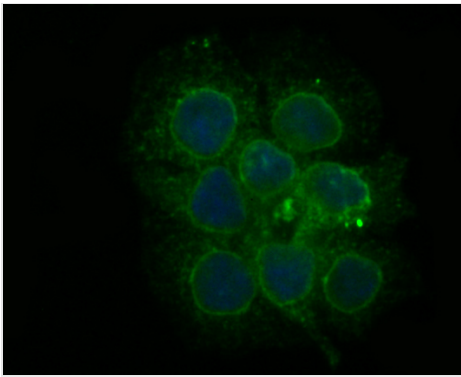
FCM (Flow Cytometry)

Flow cytometric analysis of SiHa cells with PHF8 antibody at 1/100 dilution (fuchsia) compared with an unlabelled control (cells without incubation with primary antibody; yellow). Alexa Fluor 488-conjugated goat anti-rabbit IgG was used as the secondary antibody.



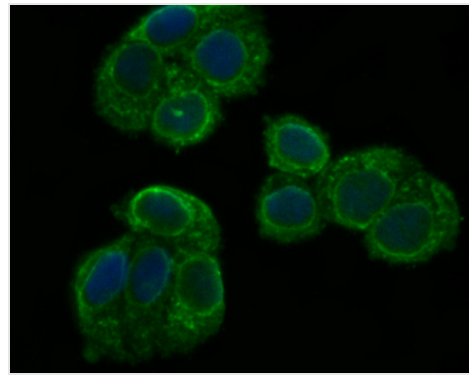
ICC (Immunocytochemistry)

ICC staining PHF8 in SiHa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



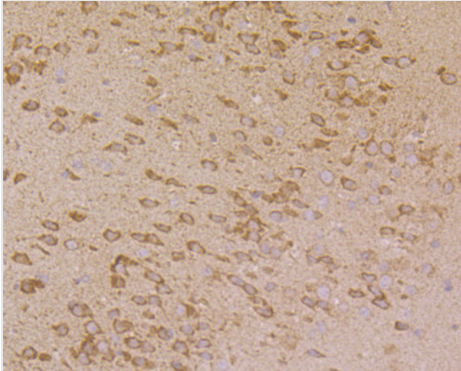
ICC (Immunocytochemistry)

ICC staining PHF8 in JAR cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



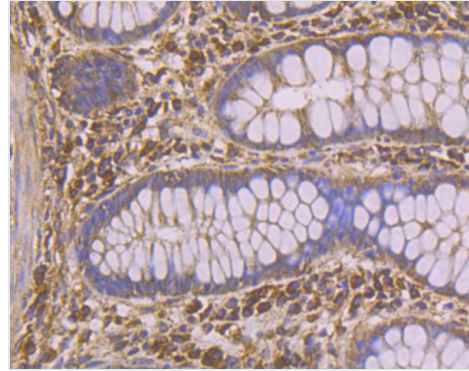
ICC (Immunocytochemistry)

ICC staining PHF8 in HeLa cells (green). The nuclear counter stain is DAPI (blue). Cells were fixed in paraformaldehyde, permeabilised with 0.25% Triton X100/PBS.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded mouse brain tissue using anti-PHF8 antibody. Counter stained with hematoxylin.



IHC (Immunohistochemistry)

Immunohistochemical analysis of paraffin-embedded human colon tissue using anti-PHF8 antibody. Counter stained with hematoxylin.

ADDITIONAL INFORMATION

Related Product Information for anti-PHF8 antibody	Histone lysine demethylase with selectivity for the di- and monomethyl states that plays a key role cell cycle progression, rDNA transcription and brain development. Demethylates mono- and dimethylated histone H3 'Lys-9' residue (H3K9Me1 and H3K9Me2), dimethylated H3 'Lys-27' (H3K27Me2) and monomethylated histone H4 'Lys-20' residue (H4K20Me1). Acts as a transcription activator as H3K9Me1, H3K9Me2, H3K27Me2 and H4K20Me1 are epigenetic repressive marks. Involved in cell cycle progression by being required to control G1-S transition. Required for brain development, probably by regulating expression of neuron-specific genes. Only has activity toward H4K20Me1 when nucleosome is used as a substrate and when not histone octamer is used as substrate. Specifically binds trimethylated 'Lys-4' of histone H3 (H3K4me3), affecting histone demethylase specificity: has weak activity toward H3K9Me2 in absence of H3K4me3, while it has high activity toward H3K9me2 when binding H3K4me3.
Product Categories/Family for anti-PHF8 antibody	Total protein Ab

NCBI AND UNIPROT INFORMATION

NCBI GI #	296531349
NCBI GeneID	23133
NCBI Accession #	NP_001171825.1
NCBI GenBank Nucleotide #	NM_001184896.1
UniProt Accession #	Q9UPP1 ; Q5H9U5 ; Q5JPR9 ; Q5JPS0 ; Q5JPS2 ; Q5JPS3 ; Q5VUJ4 ; Q7Z6D4 ; Q9HAH2 ; B3KMOV4 ; B7Z911
Molecular Weight	98,290 Da
NCBI Official Full Name	histone lysine demethylase PHF8 isoform 1

NCBI Official Synonym Full Names	PHD finger protein 8
NCBI Official Symbol	PHF8
NCBI Official Synonym Symbols	KDM7B; JHDM1F; MRXSSD; ZNF422
NCBI Protein Information	histone lysine demethylase PHF8
UniProt Protein Name	Histone lysine demethylase PHF8
UniProt Gene Name	PHF8
UniProt Synonym Gene Names	KIAA1111; ZNF422

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/phf8-antibody-western-blot-immunocytochemistry-immunohistochemistry-flow-cytometry-elisa/29947>