

Rabbit PHF19 Polyclonal Antibody | anti-PHF19 antibody

PHF19 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA323275	Rabbit	Human, Mouse, Rat	Immunohistochemistry, Western Blot

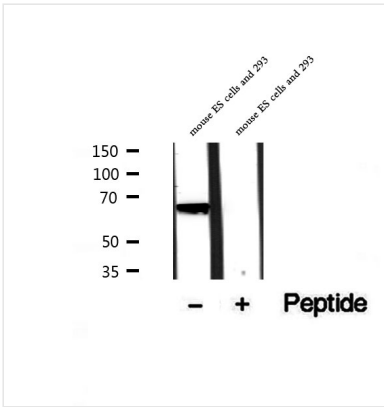
PRODUCT SYNONYMS

PHF19; Polyclonal Antibody; PHF19 Antibody; hPCL3; MGC131698; MGC149712; MGC149713; MGC23929; MTF2L1; OTTHUMP00000021996; OTTHUMP00000021998; PCL3; PHD finger protein 19; Phf19; PHF19 protein; PHF19_HUMAN; Polycomb like 3; Polycomb like protein 3; Polycomb-like protein 3; TDRD19B; Tudor domain containing 19B; anti-PHF19 antibody

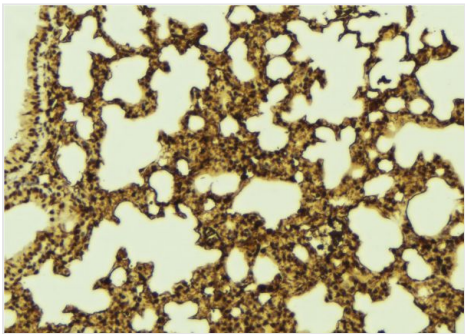
PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Specificity	PHF19 antibody detects endogenous levels of PHF19.
Purity/Purification	The antiserum was purified by peptide affinity chromatography using SulfoLink Coupling Resin.
Form/Format	Liquid Phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol.
Concentration	1mg/ml (varies by lot)
Sequence Length	207
Applicable Applications for anti-PHF19 antibody	IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	A synthesized peptide derived from human PHF19.
Subcellular Location	Nucleus.
Tissue Specificity	Isoform 1 is expressed in thymus, heart, lung and kidney. Isoform 2 is predominantly expressed in placenta, skeletal muscle and kidney, whereas isoform 1 is predominantly expressed in liver and peripheral blood leukocytes. Overexpressed in many types of cancers, including colon, skin, lung, rectal, cervical, uterus, liver cancers, in cell lines derived from different stages of melanoma and in glioma cell lines.
Predicted Cross Reactivity	Pig, Zebrafish, Bovine, Horse, Sheep, Rabbit, Chicken
Similarity	Pig (100%), Zebrafish (90%), Bovine (100%), Horse (100%), Sheep (100%), Rabbit (100%), Chicken (90%)
Conjugation	Unconjugated
Preparation and Storage	Store at -20 degree C. Stable for 12 months from date of receipt.

IMAGES



WB (Western Blot)
Western blot analysis of extracts of rat brain tissue, using PHF19 antibody.



IHC (Immunohistochemistry)
AAA323275 at 1/100 staining Mouse lung tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22 degree C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

ADDITIONAL INFORMATION

Related Product Information for anti-PHF19 antibody	Function: Polycomb group (PcG) that specifically binds histone H3 trimethylated at 'Lys-36' (H3K36me3) and recruits the PRC2 complex. Probably involved in the transition from an active state to a repressed state in embryonic stem cells: acts by binding to H3K36me3, a mark for transcriptional activation, and recruiting H3K36me3 histone demethylases RIOX1 or KDM2B, leading to demethylation of H3K36 and recruitment of the PRC2 complex that mediates H3K27me3 methylation, followed by de novo silencing. Recruits the PRC2 complex to CpG islands and contributes to embryonic stem cell self-renewal. Also binds dimethylated at 'Lys-36' (H3K36me2). Isoform 1 and isoform 2 inhibit transcription from an HSV-tk promoter. Subunit Structure: Associated component of the PRC2 complex. Interacts with EZH2 (via its Tudor domain). Isoform 1 interacts with SUZ12; isoform 2 does not interact with SUZ12. Interacts with RIOX1. Similarity: The Tudor domain recognizes and binds H3K36me3 (PubMed:23273982, PubMed:23160351, PubMed:23104054 and PubMed:23228662). May also bind H3K27me3, with a lower affinity (PubMed:23160351). Belongs to the Polycomblike family.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	58331163
NCBI GeneID	26147
NCBI Accession #	NP_001009936.1
NCBI GenBank Nucleotide #	NM_001009936.2
UniProt Accession #	Q5T6S3; Q32NF2; Q5T6S4; Q6N038; Q8TBL6; Q9UFS9
Molecular Weight	Observed: 66 kDa Predicted: 66 kDa
NCBI Official Full Name	PHD finger protein 19 isoform b
NCBI Official Synonym Full Names	PHD finger protein 19
NCBI Official Symbol	PHF19
NCBI Official Synonym Symbols	PCL3; MTF2L1; TDRD19B
NCBI Protein Information	PHD finger protein 19
UniProt Protein Name	PHD finger protein 19
UniProt Gene Name	PHF19
UniProt Synonym Gene Names	PCL3; hPCL3

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com

Online datasheet: <https://stage.aaabiotech.com/polyclonal/phf19-antibody-immunohistochemistry-western-blot-elisa/323275>