

KDM1A (Nuclear Marker & Transcription Factor) Antibody

Mouse Monoclonal Antibody [Clone PCR-P-KDM1A-1A10]

Catalog No	Format	Size
23028-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
23028-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
23028-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

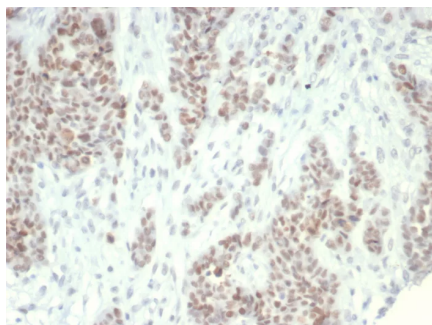
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

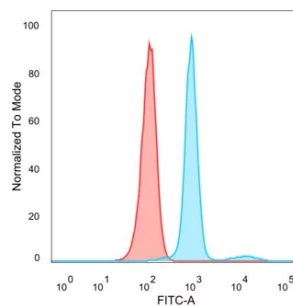
Clone	PCR-P-KDM1A-1A10
Gene Name	KDM1A
Immunogen	Recombinant fragment (around aa152-279) of human KDM1A protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a
Mol. Weight of Antigen	92.9kDa
Cellular Localization	Nucleus.
Species Reactivity	Human
Positive Control	HeLa cells. Ubiquitous tissue expression.

*Optimal dilution for a specific application should be determined.

Product Images for KDM1A (Nuclear Marker & Transcription Factor) Antibody



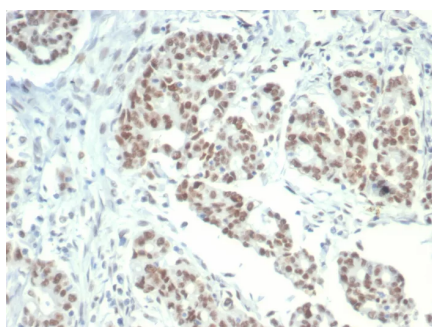
Formalin-fixed, paraffin-embedded human ovarian carcinoma stained with KDM1A Mouse Monoclonal Antibody (PCR-P-KDM1A-1A10). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.



Flow cytometric analysis of PFA-fixed HeLa cells. KDM1A Mouse Monoclonal Antibody (PCR-P-KDM1A-1A10) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).



Analysis of Protein Array containing more than 19,000 full-length human proteins using KDM1A Mouse Monoclonal Antibody (PCRP-KDM1A-1A10). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



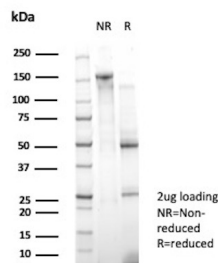
Formalin-fixed, paraffin-embedded human colon carcinoma stained with KDM1A Mouse Monoclonal Antibody (PCRP-KDM1A-1A10). HIER: Tris/EDTA, pH9.0, 45min. 2°C: HRP-polymer, 30min. DAB, 5min.

Specificity & Comments

This gene encodes a nuclear protein containing a SWIRM domain, a FAD-binding motif, and an amine oxidase domain. This protein is a component of several histone deacetylase complexes, though it silences genes by functioning as a histone demethylase. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2009]

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.



SDS-PAGE Analysis of Purified Lysine-specific histone demethylase 1A Mouse Monoclonal Antibody (PCRP-KDM1A-1A10). Confirmation of Purity and Integrity of Antibody.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Infectious Disease, Nuclear Marker, Signal Transduction