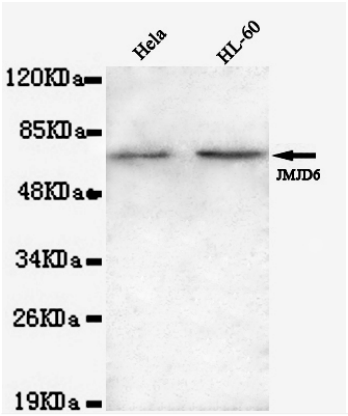
JMJD6(N-term) mouse mAb

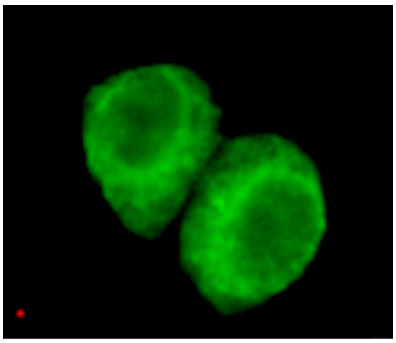
Catalog No	BYab-12949
Isotype	IgG
Reactivity	Human
Applications	WB;ICC
Gene Name	jmjd6
Protein Name	
Immunogen	Purified recombinant human JMJD6(N-terminus) fragments expressed in E.coli.
Specificity	This antibody detects endogenous levels of JMJD6(N-terminus) and does not cross-react with related proteins.
Formulation	Liquid in PBS containing 50% glycerol, 0.5% BSA and 0.02% sodium azide.
Source	Monoclonal, Mouse
Purification	The antibody was affinity-purified from mouse ascites by affinity-chromatography using epitope-specific immunogen.
Dilution	wb 1:1000 icc 1:200
Concentration	1 mg/ml
Purity	≥90%
Storage Stability	-20°C/1 year
Synonyms	Apoptotic cell clearance receptor;Bifunctional arginine demethylase and lysyl-hydroxylase JMJD6;Histone arginine demethylase JMJD6;JmjC domain-containing protein 6;JMJD 6;JMJD6;JMJD6_HUMAN;Jumonji domain containing 6;Jumonji domain-containing protein 6;KIAA0585;Lysyl-hydroxylase JMJD6;Peptide-lysine 5-dioxygenase JMJD6;Phosphatidylserine receptor;Protein PTDSR;PSR;PTDSR 1;PTDSR;PTDSR1.
Observed Band	62kD
Cell Pathway	Nucleus, nucleoplasm . Nucleus, nucleolus . Cytoplasm . Mainly found throughout the nucleoplasm outside of regions containing heterochromatic DNA, with some localization in nucleolus. During mitosis, excluded from the nucleus and reappears in the telophase of the cell cycle. .
Tissue Specificity	Highly expressed in the heart, skeletal muscle and kidney. Expressed at moderate or low level in brain, placenta, lung, liver, pancreas, spleen, thymus, prostate, testis and ovary. Up-regulated in many patients with chronic pancreatitis. Expressed in nursing thymic epithelial cells.

Function	caution:Was initially thought to constitute the phosphatidylserine receptor, a receptor that mediates recognition of phosphatidylserine, a specific marker only present at the surface of apoptotic cells. Phosphatidylserine receptor probably participates in apoptotic cell phagocytosis. This protein was identified using phage display expressing mAb 217, an antibody that specifically recognizes phosphatidylserine receptor. However, its nuclear localization and the fact that mAb 217 antibody still recognizes the phosphatidylserine receptor in mice lacking JMJD6, strongly suggest that it does not constitute the receptor for phosphatidylserine and is not involved in apoptotic cell removal.,domain:The nuclear localization signal motifs are necessary and sufficient to target it into the nucleus.,function:Arginine demethylase which demethylates histone H3 at 'Arg-2' (H3R2me) and histone H4 at 'Arg
Background	This gene encodes a nuclear protein with a JmjC domain. JmjC domain-containing proteins are predicted to function as protein hydroxylases or histone demethylases. This protein was first identified as a putative phosphatidylserine receptor involved in phagocytosis of apoptotic cells; however, subsequent studies have indicated that it does not directly function in the clearance of apoptotic cells, and questioned whether it is a true phosphatidylserine receptor. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008],
matters needing attention	Avoid repeated freezing and thawing!
Usage suggestions	This product can be used in immunological reaction related experiments. For more information, please consult technical personnel.

Products Images



Western blot detection of JMJD6(N-terminus) in Hela and HL-60 lysates using JMJD6(N-terminus) mouse mAb (1:1000 diluted).Predicted band size: 46KDa.Observed band size: 62KDa.



Immunocytochemistry of HeLa cells using anti-JMJD6(N-terminus) mouse mAb diluted 1:200.