SMYD2 Antibody

E2200130

Catalog Number:	E2200130
Size:	100ug
Host:	Mouse
Formulation:	Purified mouse monoclonal in buffer containing 0.1M Tris-Glycine (pH 7.4, 150 mM NaCl) with 0.2% sodium azide, 50%,glycerol
Sensitivity:	This antibody detects endogenous levels of SMYD2 and does not cross-react with related proteins.
Entrez summary:	SET domain-containing proteins, such as SMYD2, catalyze lysine methylation (Brown et al., 2006 [PubMed 16805913]).[supplied by OMIM, Nov 2008]
UniPort summary Function:	Protein-lysine N-methyltransferase that methylates both histones and non-histone proteins. Specifically methylates histone H3 ´Lys-4´ (H3K4me) and dimethylates histone H3 ´Lys-36´ (H3K36me2). Has also methyltransferase activity toward non-histone proteins such as p53/TP53 and RB1. Monomethylates ´Lys-370´ of p53/TP53, leading to decreased DNA-binding activity and subsequent transcriptional regulation activity of p53/TP53. Monomethylates ´Lys-860´ of RB1/RB.
Immunogen:	Purified recombinant human SMYD2 protein fragments expressed in E.coli.
Antibody Type:	Monoclonal antibody
Isotype:	IgG2b
Purified method:	Affinity purified
Subcellular location:	Cytoplasm ? cytosol；Nucleus
Reactivity:	H,M
Applications:	WB
Molecular Weight:	50kDa
UniProt number:	Q9NRG4
GeneBank ID:	NM_020197
Gene symbol:	KMT3C; HSKM-B; ZMYND14
Alternate names:	HSKM-B；Histone methyltransferase SMYD2，EC=2.1.1.43；Lysine N-methyltransferase 3C；SET and MYND domain-containing protein 2

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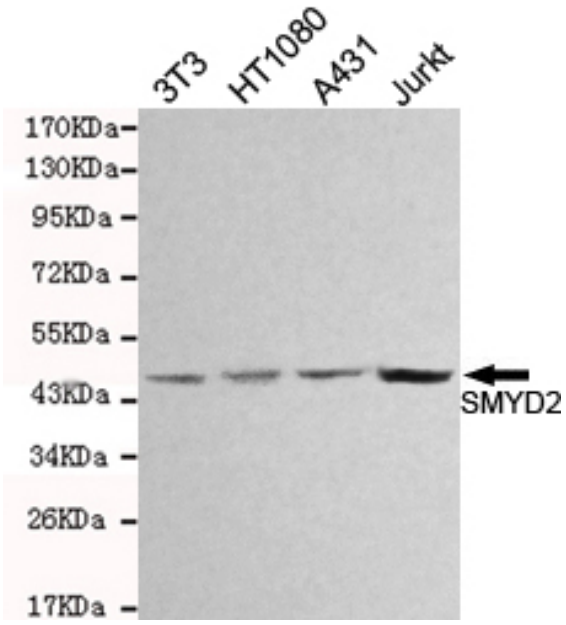

Western blot detection of SMYD2 in 3T3,HT1080，A431&Jurkat cell lysates and using SMYD2 antibody (1:1000 diluted). Predicted band size: 50KDa Observed band size: 50KDa

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