

SMYD4 Antibody
Purified Mouse Monoclonal Antibody (Mab)
Catalog # AP52810**Specification**

SMYD4 Antibody - Product Information

Application	WB
Primary Accession	Q8IYR2
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	IgG1
Calculated MW	89 KDa

SMYD4 Antibody - Additional Information**Gene ID** 114826**Other Names**

KIAA1936;SET and MYND domain containing 4;SET and MYND domain-containing protein 4; SMYD4;SMYD4_HUMAN;ZMYND21.

Dilution

WB~~1:200

Format

ascites

Storage

Store at -20 °C.Stable for 12 months from date of receipt

SMYD4 Antibody - Protein Information**Name** SMYD4**Synonyms** KIAA1936**Function**

Plays a critical role in cardiac development (PubMed:30110327). Acts as a key epigenetic regulator of gene expression during cardiac development via its dual activities as a methyltransferase and negative regulator of HDAC1 (By similarity).

Cellular Location

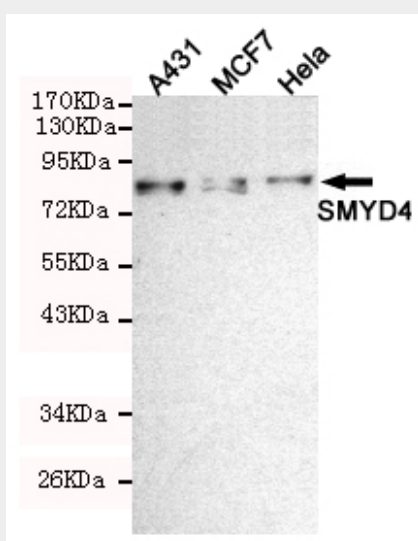
Nucleus {ECO:0000250|UniProtKB:Q8BTK5}. Cytoplasm {ECO:0000250|UniProtKB:Q8BTK5}

SMYD4 Antibody - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

SMYD4 Antibody - Images



Western blot detection of SMYD4 in HeLa, MCF7 and A431 cell lysates using SMYD4 mouse mAb (1:200 diluted). Predicted band size: 89KDa. Observed band size: 89KDa.

SMYD4 Antibody - References

- Ota T., et al. Nat. Genet. 36:40-45(2004).
Nagase T., et al. DNA Res. 8:179-187(2001).
Varela I., et al. Nature 469:539-542(2011).