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BAF60B / SMARCD2 Antibody (clone 2F7)

Mouse Monoclonal Antibody
Catalog # ALS14156

Specification

BAF60B / SMARCD2 Antibody (clone 2F7) - Product Information

Application	**WB, IF, IHC**
Primary Accession	Q92925
Reactivity	**Human**
Host	**Mouse**
Clonality	**Monoclonal**
Calculated MW	**59kDa KDa**

BAF60B / SMARCD2 Antibody (clone 2F7) - Additional Information

Gene ID 6603

Other Names
SWI/SNF-related matrix-associated actin-dependent regulator of chromatin subfamily D member 2, 60 kDa BRG-1/Brm-associated factor subunit B, BRG1-associated factor 60B, BAF60B, SMARCD2, BAF60B

Target/Specificity
Human SMARCD2

Reconstitution & Storage
Short term 4°C, long term aliquot and store at -20°C, avoid freeze thaw cycles.

Precautions
BAF60B / SMARCD2 Antibody (clone 2F7) is for research use only and not for use in diagnostic or therapeutic procedures.

BAF60B / SMARCD2 Antibody (clone 2F7) - Protein Information

Name SMARCD2

Synonyms BAF60B

Function
Involved in transcriptional activation and repression of select genes by chromatin remodeling (alteration of DNA-nucleosome topology). Component of SWI/SNF chromatin remodeling complexes that carry out key enzymatic activities, changing chromatin structure by altering DNA-histone contacts within a nucleosome in an ATP-dependent manner (PubMed:22952240, PubMed:26601204). Critical regulator of myeloid differentiation, controlling granulocytopoiesis and the expression of genes involved in neutrophil granule formation (PubMed:28369036).

Cellular Location
Nucleus.

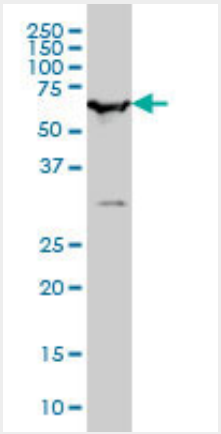
Tissue Location
Isoform 2 is expressed in the pancreas.

BAF60B / SMARCD2 Antibody (clone 2F7) - Protocols

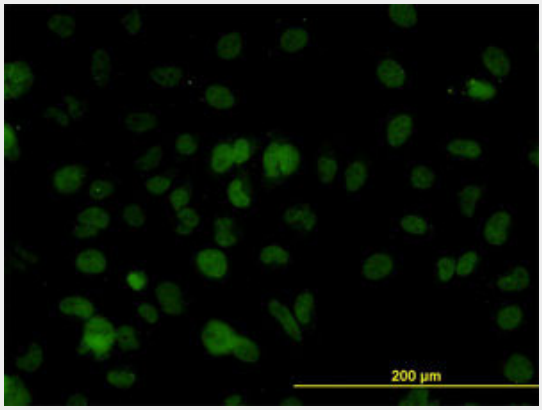
Provided below are standard protocols that you may find useful for product applications.

- Western Blot
- Blocking Peptides
- Dot Blot
- Immunohistochemistry
- Immunofluorescence
- Immunoprecipitation
- Flow Cytomety
- Cell Culture

BAF60B / SMARCD2 Antibody (clone 2F7) - Images

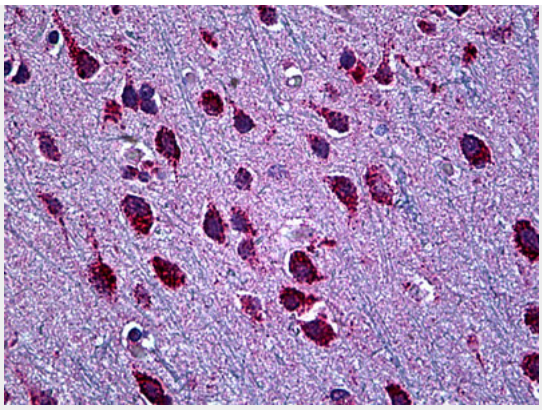


SMARCD2 monoclonal antibody clone 2F7 Western blot of SMARCD2 expression in HeLa NE.



Immunofluorescence of monoclonal antibody to SMARCD2 on HeLa cell. [antibody concentration 10 ug/ml]

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Anti-SMARCD2 antibody IHC of human brain, cortex.

BAF60B / SMARCD2 Antibody (clone 2F7) - Background

Involved in transcriptional activation and repression of select genes by chromatin remodeling (alteration of DNA-nucleosome topology).

BAF60B / SMARCD2 Antibody (clone 2F7) - References

Wang W.,et al.Genes Dev. 10:2117-2130(1996).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Zody M.C.,et al.Nature 440:1045-1049(2006).
Mural R.J.,et al.Submitted (SEP-2005) to the EMBL/GenBank/DDBJ databases.
Zhang C.,et al.Submitted (DEC-1998) to the EMBL/GenBank/DDBJ databases.