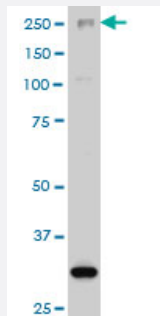


ARID1B monoclonal antibody (M02), clone 2F2

Catalog # H00057492-M02

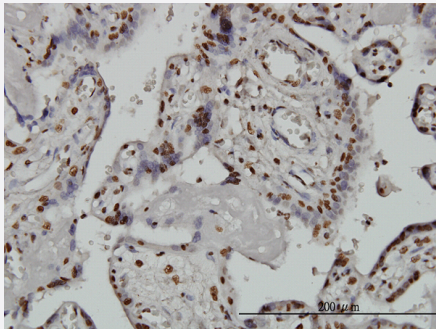
Size 100 ug

Applications



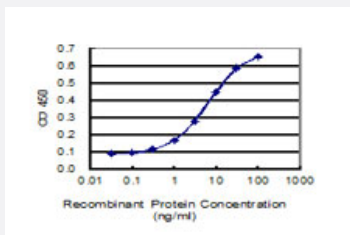
Western Blot (Cell lysate)

ARID1B monoclonal antibody (M02), clone 2F2 Western Blot analysis of ARID1B expression in HeLa S3 NE (Cat # L013V3).



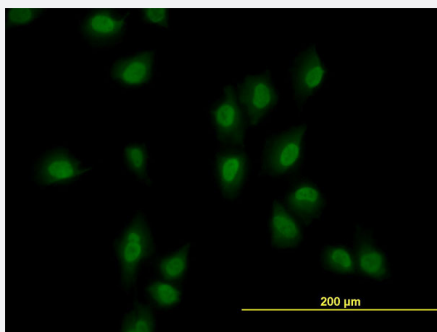
Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

Immunoperoxidase of monoclonal antibody to ARID1B on formalin-fixed paraffin-embedded human placenta. [antibody concentration 3 ug/ml]



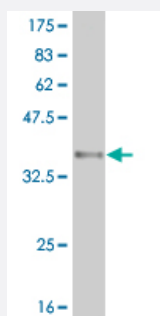
Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ARID1B is 0.3 ng/ml as a capture antibody.



Immunofluorescence

Immunofluorescence of monoclonal antibody to ARID1B on HeLa cell. [antibody concentration 10 ug/ml]



Western Blot detection against Immunogen (36.41 KDa) .

Specification

Product Description	Mouse monoclonal antibody raised against a partial recombinant ARID1B.
Immunogen	ARID1B (NP_059989, 1364 a.a. ~ 1460 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	PPAKRHEGDMYNMQYSSQQQEMYNQYGGSYSGPDRRPIQGQYPYPYSRERMQGPGQIQTHGIPPQMMGGPLQSSSSEGPQQNMWAARNDMPPYPYQNR
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (92)
Isotype	IgG2b Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.41 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Cell lysate)

ARID1B monoclonal antibody (M02), clone 2F2 Western Blot analysis of ARID1B expression in Hela S3 NE (Cat # L013V3).

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Immunohistochemistry (Formalin/PFA-fixed paraffin-embedded sections)

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- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged ARID1B is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

- Immunofluorescence

Immunofluorescence of monoclonal antibody to ARID1B on HeLa cell. [antibody concentration 10 ug/ml]

Gene Info — ARID1B

Entrez GeneID	57492
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GeneBank Accession#	NM_017519
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Protein Accession#	NP_059989
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Gene Name	ARID1B
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Gene Alias	6A3-5, BAF250b, BRIGHT, DAN15, ELD/OSA1, KIAA1235, p250R
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Gene Description	AT rich interactive domain 1B (SWI1-like)
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Gene Ontology	Hyperlink
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Other Designations

BRG1-binding protein ELD/OSA1|Eld (eyelid)/Osa protein|OTTHUMP00000040115

Publication Reference

- [Differential roles of ARID1B in excitatory and inhibitory neural progenitors in the developing cortex.](#)

Jeffrey J Moffat, Eui-Man Jung, Minhan Ka, Byeong Tak Jeon, Hyunkyoung Lee, Woo-Yang Kim.

Scientific Reports 2021 Feb; 11(1):3856.

Application: WB-Ti, WB-Tr, Mouse, Mouse brain

- [Arid1b haploinsufficiency disrupts cortical interneuron development and mouse behavior.](#)

Jung EM, Moffat JJ, Liu J, Dravid SM, Gurumurthy CB, Kim WY.

Nature Neuroscience 2017 Dec; 20(12):1694.

Application: IHC, WB-Ti, Mouse, Mouse brain tissues

- [Dynamics of expression of ARID1A and ARID1B subunits in mouse embryos and in cells during the cell cycle.](#)

Flores-Alcantar A, Gonzalez-Sandoval A, Escalante-Alcalde D, Lomeli H.

Cell and Tissue Research 2011 Jul; 345(1):137.

Application: IF, Mouse, MC3T3 cells

Disease

- [Cognition](#)
- [Tobacco Use Disorder](#)