



Anti-ARID5B monoclonal antibody (DCABH-707)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse monoclonal to ARID5B
Antigen Description	Transcription coactivator that binds to the 5-AATA[CT]-3 core sequence and plays a key role in adipogenesis and liver development. Acts by forming a complex with phosphorylated PHF2, which mediates demethylation at Lys-336, leading to target the PHF2-ARID5B complex to target promoters, where PHF2 mediates demethylation of dimethylated Lys-9 of histone H3 (H3K9me2), followed by transcription activation of target genes. The PHF2-ARID5B complex acts as a coactivator of HNF4A in liver. Required for adipogenesis: regulates triglyceride metabolism in adipocytes by regulating expression of adipogenic genes. Overexpression leads to induction of smooth muscle marker genes, suggesting that it may also act as a regulator of smooth muscle cell differentiation and proliferation. Represses the cytomegalovirus enhancer.
Immunogen	Recombinant fragment, corresponding to amino acids 1483-1583 of Human ARID5B with a proprietary tag (XP_084482.3).
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ELISA, Sandwich ELISA
Positive Control	Recombinant Human ARID5B Protein.
Format	Liquid
Size	100 µg

Buffer	pH: 7.20; Constituent: 99% PBS
Preservative	None
Storage	store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.
Ship	Shipped at 4°C.

GENE INFORMATION

Gene Name	ARID5B AT rich interactive domain 5B (MRF1-like) [Homo sapiens]
Official Symbol	ARID5B
Synonyms	ARID5B; AT rich interactive domain 5B (MRF1-like); AT-rich interactive domain-containing protein 5B; FLJ21150; MRF2; MRF1-like protein; ARID domain-containing protein 5B; modulator recognition factor 2 (MRF2); DESRT; MRF-2; FLJ41888;
Entrez Gene ID	84159
Protein Refseq	NP_001231567
UniProt ID	Q14865
Chromosome Location	10q11.22
Function	DNA binding; protein binding; contributes_to transcription coactivator activity; transcription regulatory region DNA binding;