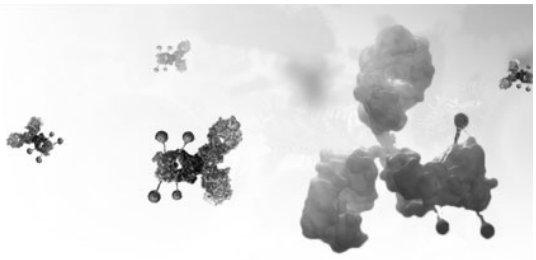

Anti-APITD1 monoclonal antibody (DCABH-200171)

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

PRODUCT INFORMATION

Antigen Description	This gene was identified in the neuroblastoma tumor suppressor candidate region on chromosome 1p36. It contains a TFIID-31 domain, similar to that found in TATA box-binding protein-associated factor, TAF(II)31, which is required for p53-mediated transcription activation. This gene was expressed at very low levels in neuroblastoma tumors, and was shown to reduce cell growth in neuroblastoma cells, suggesting that it may have a role in a cell death pathway. The protein is a component of multiple complexes, including the Fanconi anemia (FA) core complex, the APITD1/CENPS complex, and the CENPA-CAD (nucleosome distal) complex. Known functions include an involvement with chromatin associations of the FA core complex, and a role in the stable assembly of the outer kinetochore. Alternative splicing of this gene results in multiple transcript variants. Naturally occurring read-through transcripts also exist between this gene and the downstream cortistatin (CORT) gene, as represented in GeneID:100526739. An APITD1-related pseudogene has been identified on chromosome 7.
Immunogen	A synthetic peptide of human APITD1 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	WB, ELISA
Size	1 mg
Buffer	In 1x PBS, pH 7.4

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Preservative	None
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	APITD1 apoptosis-inducing, TAF9-like domain 1 [Homo sapiens (human)]
Official Symbol	APITD1
Synonyms	APITD1; apoptosis-inducing, TAF9-like domain 1; MHF1; CENPS; CENP-S; FAAP16; centromere protein S; FANCM-interacting histone fold protein 1; Fanconi anemia-associated polypeptide of 16 kDa; apoptosis-inducing TAF9-like domain-containing protein 1;
Entrez Gene ID	378708
Protein Refseq	NP_954988
UniProt ID	Q8N2Z9
Chromosome Location	1p36.22
Pathway	Cell Cycle; Cell Cycle, Mitotic; Fanconi anemia pathway; M Phase; Mitotic Anaphase; Mitotic Metaphase and Anaphase; Mitotic Prometaphase; Resolution of Sister Chromatid Cohesion; Separation of Sister Chromatids.
Function	DNA binding; chromatin binding; contributes_to double-stranded DNA binding; protein binding; protein heterodimerization activity;

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