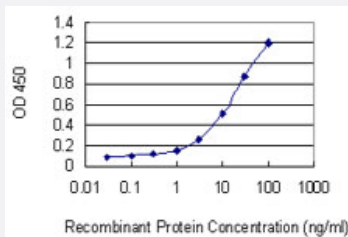


WDFY3 monoclonal antibody (M03), clone 2F12

Catalog # H00023001-M03

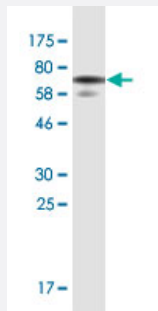
Size 100 ug

Applications



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged WDFY3 is 0.3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (71.94 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a full-length recombinant WDFY3.

Immunogen

WDFY3 (AAH15214, 1 a.a. ~ 420 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence

MGTSKEKAKTATLKQALLGHTDVTTCATASLAYHIIVSGSRDRTCIMDLNKLSTQLRGHRAPVS
ALCINELTGDIVSCAGTYIHVWSINGNPVSVNTFTGRSQIICCCMSEMNEWDNQNVITGHSDGV
VRFWRMEFLQVPETPAPEPAEVLEMQEDCPEAQIGQEAQDEDSSDSEADEQSISQDPKDTPSQ
PSSTSHRPRAASCRATAAWCTDSGSDDSRRWSDQLSLDEKDGIFVNYSEGQTRAHLQGPLSH
PHPNPIEVRNYSRLKPGYRWERQLVFRSKLTMHTAFDRKDNAHPAEVTALGISKDHSRILVGDSR
GRVFSWSVSDQPGRSAADHWVKDEGGDSCSGCSVRFSLTERRHHCRNCGQLFCQKCSRFSQ
EIKRLKISSPVRVCQNCYNNLQHERGSEDGPRNC

Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (96)
Isotype	IgG1 Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (71.94 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 (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged WDFY3 is 0.3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — WDFY3

Entrez GeneID	23001
GeneBank Accession#	BC015214
Protein Accession#	AAH15214
Gene Name	WDFY3
Gene Alias	ALFY, KIAA0993, MGC16461, ZFYVE25
Gene Description	WD repeat and FYVE domain containing 3
Gene Ontology	Hyperlink

Gene Summary

This gene encodes a protein which contains WD repeats and an FYVE domain. Multiple alternatively spliced transcript variants have been found for this gene, but the full-length nature of some variants has not been defined. [provided by RefSeq]

Other Designations

-

Publication Reference

- [Pathogenic WDFY3 variants cause neurodevelopmental disorders and opposing effects on brain size.](#)

Le Duc D, Giulivi C, Hiatt SM, Napoli E, Panoutsopoulos A, Harlan De Crescenzo A, Kotzaeridou U, Syrbe S, Anagnostou E, Azage M, Bend R, Begtrup A, Brown NJ, Büttner B, Cho MT, Cooper GM, Doering JH, Dubourg C, Everman DB, Hildebrand MS, Santos FJR, Kellam B, Keller-Ramey J, Lemke JR, Liu S, Niyazov D, Payne K, Person R, Quélin C, Schnur RE, Smith BT, Strober J, Walker S, Wallis M, Walsh L, Yang S, Yuen RKC, Ziegler A, Sticht H, Pride MC, Orosco L, Martínez-Cerdeño V, Silverman JL, Crawley JN, S

Brain 2019 Sep; 2617:2630.

Application: IHC, Human, Embryonic pallium, Forebrain

- [Loss of WDFY3 ameliorates severity of serum transfer-induced arthritis independently of autophagy.](#)

Wu DJ, Adamopoulos IE.

Cellular Immunology 2017 Jun; 316:61.

Application: IF, Mouse, Mouse macrophage

- [Loss of Wdfy3 in mice alters cerebral cortical neurogenesis reflecting aspects of the autism pathology.](#)

Orosco LA, Ross AP, Cates SL, Scott SE, Wu D, Sohn J, Pleasure D, Pleasure SJ, Adamopoulos IE, Zarbalis KS.

Nature Communications 2014 Sep; 5:4692.

Application: IF, Mouse, Brain

Disease

- [Tobacco Use Disorder](#)