

Datasheet

FASN monoclonal antibody (M01), clone 3F2-1F3

Catalog Number: H00002194-M01

Regulatory Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full length recombinant FASN.

Clone Name: 3F2-1F3

Immunogen: FASN (AAH07909, 1 a.a. ~ 439 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:

MSTNDTIVSGTLPQRMASCLEVLDLFLNQPHMVLSSE
VLAEKAAAYRDRDSQRDLVEAVAHILGIRDLAAVNLDL
SLADLGLDSLMSVEVRQTLERELNLVLSVREVRQLTLR
KLQELSSKADEASELACPTPKEDGLAQQQTQLNLRSL
LVNPEGPTLMRLNSVQSSERPLFLVHPIEGSTTVFHSL
ASGLSIPTYGLQCTRAAPLDSIHSALAAAYIDCIRQVQPE
GPYRVAGYSYGACVAFEMCSQLQAQQSPAPTHNSLF
LFDGSPTYVLAITQSYRAKLTGCEAEAEAEICFFVQ
QFTDMEHNRVLEALLPLKGLEERVAAAVDLIKSHQGL
DRQELSFAARSFYKLRAAEQYTPKAKYHGNVMLLRA
KTGGAYGEDLGADYNLSQVCDGKVSVHVIEGDHRTLL
EGSGLESIIIIHSSLAEPVSVREG

Host: Mouse

Reactivity: Human

Applications: ELISA, IF, IHC-P, IP, S-ELISA, WB-Ce,
WB-Re, WB-Tr

(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Isotype: IgG1 kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 2194

Gene Symbol: FASN

Gene Alias: FAS, MGC14367, MGC15706, OA-519,
SDR27X1

Gene Summary: The enzyme encoded by this gene is a multifunctional protein. Its main function is to catalyze the synthesis of palmitate from acetyl-CoA and malonyl-CoA, in the presence of NADPH, into long-chain saturated fatty acids. In some cancer cell lines, this protein has been found to be fused with estrogen receptor-alpha (ER-alpha), in which the N-terminus of FAS is fused in-frame with the C-terminus of ER-alpha. [provided by RefSeq]

References:

1. Myoglobin expression in prostate cancer is correlated to androgen receptor expression and markers of tumor hypoxia. Meller S, Bicker A, Montani M, Ikenberg K, Rostamzadeh B, Sailer V, Wild P, Dietrich D, Uhl B, Sulser T, Moch H, Gorr TA, Stephan C, Jung K, Hankeln T, Kristiansen G *Virchows Arch.* 2014 Aug 30.
2. Old proteins - new locations: myoglobin, haemoglobin, neuroglobin and cytoglobin in solid tumours and cancer cells. Gorr TA, Wichmann D, Pilarsky C, Theurillat JP, Fabrizius A, Laufs T, Bauer T, Koslowski M, Horn S, Burmester T, Hankeln T, Kristiansen G. *Acta Physiol (Oxf).* 2011 Jul;202(3):563-581.
3. Endogenous myoglobin in human breast cancer is a hallmark of luminal cancer phenotype. Kristiansen G, Rose M, Geisler C, Fritzsche FR, Gerhardt J, Luke C, Ladhoff AM, Knuchel R, Dietel M, Moch H, Varga Z, Theurillat JP, Gorr TA, Dahl E. *Br J Cancer.* 2010 Jun 8;102(12):1736-45.