

Product datasheet for TA309122

FTO Mouse Monoclonal Antibody [Clone ID: 5-2H10]

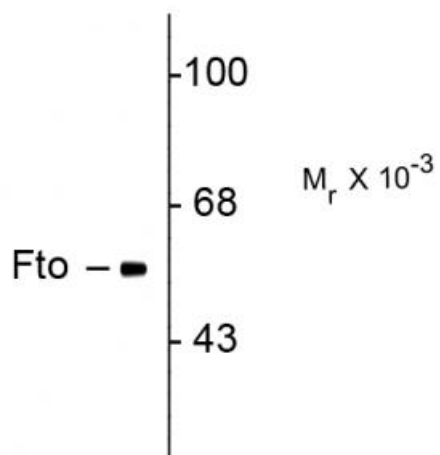
Product data:

Product Type:	Primary Antibodies
Clone Name:	5-2H10
Applications:	WB
Recommend Dilution:	WB: 1:1,000, IF: 1:100
Reactivity:	Human, Mouse, Rat
Host:	Mouse
Isotype:	IgG
Clonality:	Monoclonal
Immunogen:	Synthetic peptide corresponding to amino acid residues from the N-terminal region conjugated to KLH
Formulation:	100 µl in 10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg per ml BSA and 50% glycerol.
Purification:	Protein G purified
Predicted Protein Size:	58 kDa
Gene Name:	fat mass and obesity associated
Database Link:	NP_001073901 Entrez Gene 26383 Mouse Entrez Gene 291905 Rat Entrez Gene 79068 Human
Background:	This gene is a nuclear protein of the AlkB related non-haem iron and 2-oxoglutarate-dependent oxygenase superfamily but the exact physiological function of this gene is not known. Other non-heme iron enzymes function to reverse alkylated DNA and RNA damage by oxidative demethylation. Studies in mice and humans indicate a role in nervous and cardiovascular systems and a strong association with body mass index, obesity risk, and type 2 diabetes. [provided by RefSeq]
Synonyms:	ALKBH9; BMIQ14; GDFD



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Product images:



Western blot of rat testes lysate showing specific immunolabeling of the ~ 58k Fto protein.