

Product datasheet for **TA309122**

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

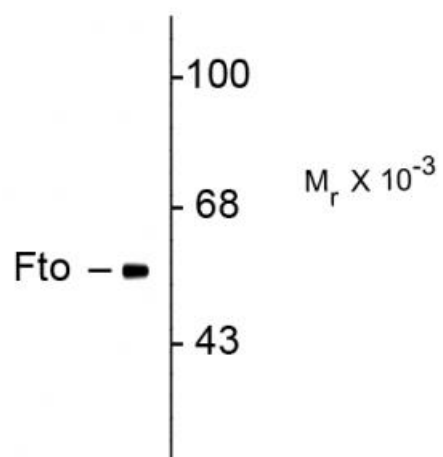
Product data:

| | |
|-------------------------|--|
| Product Type: | Primary Antibodies |
| Clone Name: | 5-2H10 |
| Applications: | WB |
| Recommended 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 |
| Conjugation: | Unconjugated |
| Storage: | Store at -20°C as received. |
| Stability: | Stable for 12 months from date of receipt. |
| 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 Q9C0B1 |
| 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.