ARG52285
anti-Fatso antibody [5-2H10]

Package: 50 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [5-2H10] recognizes Fatso
Tested Reactivity	Hu, Ms, Rat
Predict Reactivity	Bov, Dog, Hrs, NHuPrm, Sheep
Tested Application	ICC/IF, WB
Host	Mouse
Clonality	Monoclonal
Clone	5-2H10
Isotype	IgG
Target Name	Fatso
Species	Human
Immunogen	Synthetic peptide corresponding to amino acid residues from the N-terminal region conjugated to KLH
Conjugation	Un-conjugated
Alternate Names	EC 1.14.11.-; Alpha-ketoglutarate-dependent dioxygenase FTO; Fat mass and obesity-associated protein; ALKBH9

Application Instructions

Application table

Application	Dilution
ICC/IF	Assay-dependent
WB	1:1,000

Application Note: Specific for the ~58 kDa Fto protein in Western blots of Rat testes lysate. The antibody has also been used for immunocytochemistry with neuronal progenitor cells.
* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

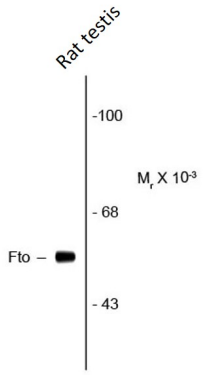
Properties

Form	Liquid
Purification	Protein G purified
Buffer	10 mM HEPES (pH 7.5), 150 mM NaCl, 0.1 mg/ml BSA and 50% Glycerol
Stabilizer	0.1 mg/ml BSA, 50% Glycerol
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	FTO
Gene Full Name	fat mass and obesity associated
Background	The FTO gene is the most robust gene for common obesity characterized to date. FTO gene expression has been found to be significantly upregulated in the hypothalamus of rats after food deprivation and strongly negatively correlated with the expression of orexin peptide which is involved in the stimulation of food intake (Fredricksson R et al., 2008). Deletion analysis of FTO gene in mice showed that Fto is functionally involved in the control of both energy intake and energy expenditure (Fischer J et al., 2009)
Research Area	Cell Biology and Cellular Response antibody; Metabolism antibody; Neuroscience antibody
Calculated Mw	58 kDa

Images



ARG52285 anti-Fatso antibody [5-2H10] WB image

Western blot: Rat testis lysate showing specific immunolabeling of the ~ 58 kDa Fatso protein stained with ARG52285 anti-Fatso antibody [5-2H10].