Datasheet for ABIN782440

anti-FTO antibody (N-Term)

2 Images

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Overview

Quantity:	0.1 mL
Target:	FTO
Binding Specificity:	N-Term
Reactivity:	Human, Mouse, Rat, Dog, Cow, Sheep, Horse, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This FTO antibody is un-conjugated
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunofluorescence (IF)

Product Details

Immunogen:	Synthetic peptide -KLH conjugated corresponding to amino acid residues from the N- terminal region of FTO
Clone:	5-2H10
Isotype:	IgG
Specificity:	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.
Cross-Reactivity (Details):	Species reactivity (expected):Bovine, Canine, Horse, non-Human Primate and Sheep. Species reactivity (tested):Human, Mouse, Rat.
Purification:	Protein G Chromatography of Culture Supernatant

Target Details

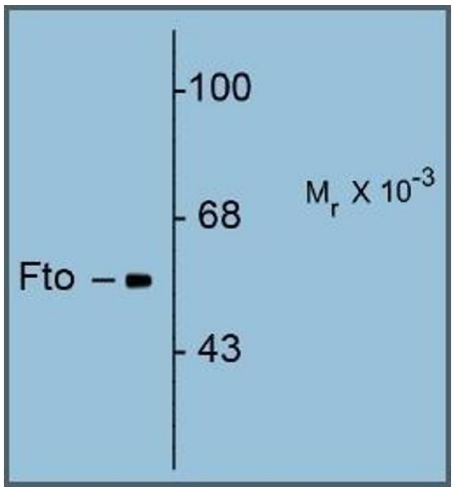
Target:	FTO
Alternative Name:	FTO (FTO Products)
Background:	The FTO gene is the most robust gene for common obesity characterized to date. FTO gene expression has been found to be significantly upregulated in the hypothalamus of rats after food deprivation and strongly negatively correlated with the 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).Synonyms: Fat mass and obesity-associated protein, KIAA1752
Gene ID:	79068
NCBI Accession:	NP_001073901
UniProt:	Q9C0B1

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Restrictions:	For Research Use only

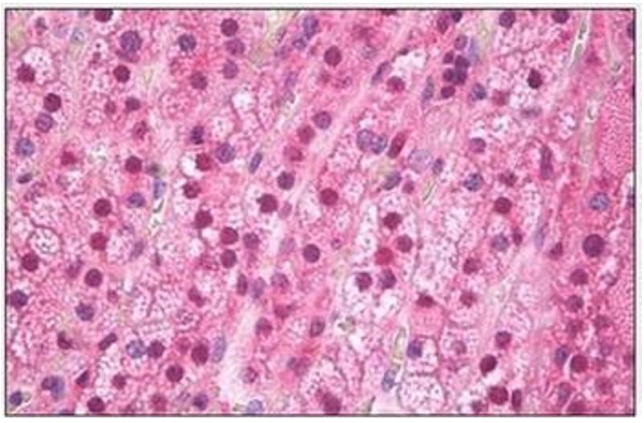
Handling

Format:	Liquid
Buffer:	10 mM HEPES (pH 7.5), 150 mM NaCl, 100 µg/mL BSA and 50 % Glycerol
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	Store undiluted at 2-8 °C for one month or (in aliquots) at -20 °C for longer.



Western Blotting

Image 1.



Immunohistochemistry

Image 2.

