

ANTIBODIES FOR METABOLISM

Notable Proteintech[®] products for metabolism.

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PRODUCT FOCUS

IFT88 Antibody

Catalog Number
13967-1-AP

Type
Rabbit Polyclonal

Applications
ELISA, IF, IHC, IP, WB

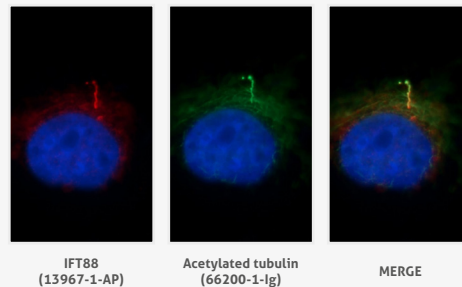
119 Publications

KD/KO Validated

References

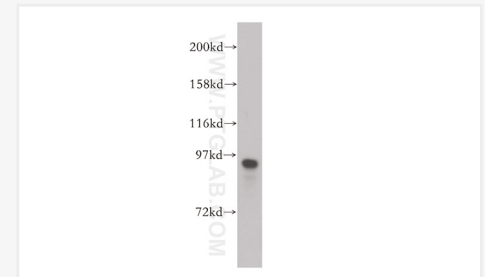
¹ Primary cilia regulate mTORC1 activity and cell size through Lkb1, (PMID: 20972424).

Among its many functions, IFT88 helps mediate intraflagellar transport, which is essential for the assembly and maintenance of cilia and flagella in many organisms. The Proteintech polyclonal IFT88 antibody has appeared in over 100 publications to



Immunofluorescent images of MDCK cells stained with IFT88 rabbit pAb (13967-1-AP) and acetylated tubulin mouse mAb (66200-1-Ig) at a dilution of 1:50, further stained with Alexa Fluor 594-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L) for 13967-1-AP, and Alexa Fluor 488-conjugated AffiniPure Goat anti-Mouse IgG (H+L) for 66200-1-Ig.

date. One of these is related to Kif3 protein, and its role in mammalian Hedgehog (Hh) signaling, where researchers used anti-IFT88 antibody as a marker for cilium retraction along with acetylated tubulin in IF staining.¹



HEK-293 cells were subjected to SDS PAGE followed by western blot with IFT88 antibody (13967-1-AP) at a dilution of 1:1000 incubated at room temperature for 1.5 hours.

AMPK Alpha 1 Antibody

Catalog Number
10929-2-AP

Type
Rabbit Polyclonal

Applications
ELISA, IF, IHC, WB

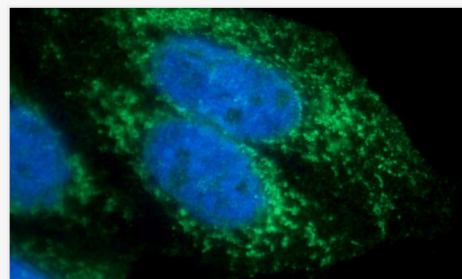
14 Publications

KD/KO Validated

References

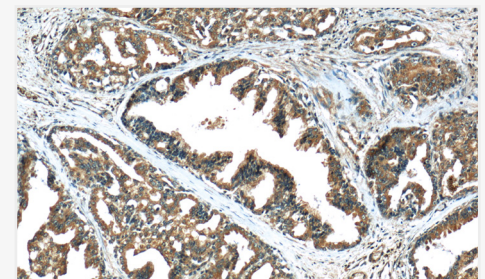
¹ Hydrogen sulfide decreases high glucose/palmitate-induced autophagy in endothelial cells by the Nrf2-ROS-AMPK signaling pathway, (PMID: 27222705).

AMP-activated protein kinase (AMPK) is a highly conserved metabolism master regulator, which restores energy balance during metabolic stress both at the cellular and physiological levels. AMPK has recently been associated with cellular processes such as autophagy and cell polarity. Liu et al. described how hydrogen sulfide (H₂S)






Immunofluorescent analysis of HepG2 cells using AMPK alpha 1 antibody (10929-2-AP) at a dilution of 1:25 and Alexa Fluor 488-conjugated AffiniPure Goat Anti-Rabbit IgG (H+L).




























































has anti-oxidative effects and protects arterial endothelial cells by suppressing excessive autophagy induced by oxidative stress through the Nrf2-ROS-AMPK signaling pathway. Researchers have confirmed their results by WB analysis using Proteintech antibody.¹




Immunohistochemical staining of paraffin-embedded human prostate cancer tissue slide using AMPK alpha 1 antibody (10929-2-AP) at a dilution of 1:200 (under 10x lens).

Antibody Name	Cat. No.	Type	Applications
ACADM	  55210-1-AP	Rabbit Poly	ELISA, FC, IHC, WB
ACADS	  16623-1-AP	Rabbit Poly	ELISA, IHC, IP, WB
ACC1	  21923-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
ACOX1	 10957-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
ACSL1	  13989-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
AMPK alpha 1	  10929-2-AP	Rabbit Poly	ELISA, IF, IHC, WB
ATP citrate lyase	  15421-1-AP	Rabbit Poly	ELISA, FC, IF, IP, WB
ATP5A1	 14676-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
CAT-1	 14195-1-AP	Rabbit Poly	ELISA, IHC, WB
Caveolin-1	  16447-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
CDK1-Specific	 19532-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
CDK2	  10122-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
Choline kinase alpha	  13520-1-AP	Rabbit Poly	ELISA, IHC, IP, WB
Citrate synthase	 16131-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
COQ7	  15083-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
CPT1A	  15184-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
CRABP2	  10225-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
CYB5R3	  10894-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
CYP2E1-Specific	  19937-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
CYP51A1	  13431-1-AP	Rabbit Poly	ELISA, IP, WB
DARS2	  13807-1-AP	Rabbit Poly	ELISA, IHC, WB
ECHS1	  11305-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
EGFR-Specific	 18986-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
EIF2A	  11233-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
ENO1	  11204-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
FABP3	  10676-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
FABP5	  12348-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
FASN	  10624-2-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
FOLR1	  23355-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
Gamma cystathionase	  12217-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
GCLC	 12601-1-AP	Rabbit Poly	ELISA, IHC, IP, WB
GPD2	  17219-1-AP	Rabbit Poly	ELISA, IHC, IP, WB
GSK3B	  22104-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
GYS1	 10566-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
HADHA	  10758-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
Hexokinase 2	 22029-1-AP	Rabbit Poly	ELISA, IHC, IP, WB
HMGCS1	 17643-1-AP	Rabbit Poly	ELISA, IF, IP, WB

 This icon shows that the antibody has been validated using a siRNA knockdown/knockout experiment.

Antibody Name	Cat. No.	Type	Applications
HSD17B2	 10978-1-AP	Rabbit Poly	ELISA, IHC, WB
IDH1	  12332-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
IFT88	  13967-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
INPP5E	  17797-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
Insulin	 15848-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
ISG15	 15981-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
JNK	 51151-1-AP	Rabbit Poly	ELISA, IF, IP, WB
KGA/GAC	  12855-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
LDHA-Specific	  19987-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
LDHB	 14824-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
LDLR	 10785-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
MOV10	  10370-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
NR1H3	  14351-1-AP	Rabbit Poly	ELISA, IF, WB
OSBP	  11096-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
OXCT1	  12175-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
PFKFB3-Specific	  13763-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
PI3K p110 (beta)	 20584-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
PKM1-specific	  15821-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
PPAR gamma	  16643-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
PPARA	 15540-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
PSAP	  10801-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
PYGL	 15851-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
Pyruvate Carboxylase	 16588-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
RBP4	  11774-1-AP	Rabbit Poly	ELISA, IHC, WB
REEP5	 14643-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
SLC38A3	 14315-1-AP	Rabbit Poly	ELISA, FC, IHC, IP, WB
SMN	  11708-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
SQRDL	  17256-1-AP	Rabbit Poly	ELISA, IHC, IP, WB
SRC	 11097-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
SREBF1	  14088-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
SUCLA2	  12627-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
Thioredoxin	  14999-1-AP	Rabbit Poly	ELISA, FC, IF, IHC, IP, WB
Tim23	 11123-1-AP	Rabbit Poly	ELISA, IF, IHC, IP, WB
Transketolase	  11039-1-AP	Rabbit Poly	ELISA, IF, IHC, WB
TRIM44	  11511-1-AP	Rabbit Poly	ELISA, IHC, WB
TTL	  13618-1-AP	Rabbit Poly	ELISA, IF, WB
vitamin D binding protein	 16922-1-AP	Rabbit Poly	ELISA, IHC, WB

 This number shows the amount of times our antibody has been cited in a publication.