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Datasheet for ABIN294094 anti-LPIN3 antibody (AA 428-529)

Overview

Quantity:	100 µg
Target:	LPIN3
Binding Specificity:	AA 428-529
Reactivity:	Mouse
Host:	Goat
Clonality:	Polyclonal
Conjugate:	This LPIN3 antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (IHC), Immunocytochemistry (ICC)

Product Details

Immunogen:	E. coli-derived recombinant mouse Lipin 3 (aa428-529).
Isotype:	IgG
Specificity:	Selected for its ability to recognize Lipin 3 in the applications listed. In direct ELISAs and Western Blots, this antibody shows ~50 % cross-reactivity with rhLipin 3 and less than 5 % cross-reactivity with rhLipin 1 and rhLipin 2.
Purification:	Affinity purified

Target Details

Target:	LPIN3
Alternative Name:	LPIN3 / LIPIN-3 (LPIN3 Products)

Target Details

Background:	Name/Gene ID: LPIN3 Synonyms: LPIN3, DJ620E11.2, DJ450M14.2, Lipin-3, Lipin 3, Lipin 3-like, Lipin-3-like, SMP2, DJ450M14.3, LIPN3L
Gene ID:	64900

Application Details

Application Notes:	Approved: ELISA (0.5 - 1 µg/mL), ICC (10 µg/mL), IHC (10 µg/mL), WB (0.1 - 0.2 µg/mL) Usage: Suitable for use in ELISA, Western Blot, Immunocytochemistry. Western Blot: 0.1-0.2 µg/mL with the appropriate secondary reagents to detect mouse rmLipin 3. The detection limit for rmLipin 3 is approximately 2 ng/lane under non-reducing and reducing conditions. Immunocytochemistry: 10 µg/mL to detect Lipin 3 on CCD-18co normal human colon fibroblasts. Cells were fixed with PBS containing 4 % paraformaldehyde for 20 minutes at RT and blocked with PBS containing 10 % normal donkey serum, 0.1 % Triton X-100, and 1 % BSA for 45 minutes at RT. After blocking, cells were incubated with diluted primary antibody overnight at 4°C followed by donkey anti-goat IgG at RT in the dark for one hour. Between each step, cells were washed with PBS containing 0.1 % BSA. Immunohistochemistry: 10 µg/mL to detect Lipin 3 in cryosections of adult mouse intestine. Tissue was fixed overnight in 4 % PFA + 14 % picric acid in PBS at 4°C. Sections were blocked with 10 % donkey serum and 0.1 % Triton in 1 % BSA in PBS for 45 minutes at RT. After blocking, sections were incubated with primary antibody for 3 hours at RT followed by donkey anti-goat IgG at RT for 1 hour. Between each step, sections were washed with 0.1 % BSA in PBS. Direct ELISA: 0.5-1.0 µg/mL with the appropriate secondary reagents to detect mouse rmLipin 3. The detection limit for rmLipin 3 is approximately 0.05 ng/well.
Comment:	Target Species of Antibody: Mouse
Restrictions:	For Research Use only

Handling

Format:	Lyophilized
Reconstitution:	Sterile PBS.
Concentration:	Lot specific
Buffer:	Lyophilized from PBS, 5 % trehalose

Handling

Storage: -20 °C

Storage Comment: Lyophilized powder may be stored at -20°C for short-term only. Reconstituted product is stable for 1 year at -20°C.