

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects Lipin 2 in direct ELISAs and Western blots. In direct ELISAs and Western blots, less than 1% cross-reactivity with recombinant human (rh) Lipin 1 and rhLipin 3 is observed.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Lipin 2 Ser439-Lys563 Accession # Q92539
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied either lyophilized or as a 0.2 µm filtered solution in PBS.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

	Recommended Concentration	Sample
Western Blot	0.1 µg/mL	Recombinant Human Lipin 2

PREPARATION AND STORAGE

Reconstitution	Reconstitute at 0.2 mg/mL in sterile PBS.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below. *Small pack size (-SP) is shipped with polar packs. Upon receipt, store it immediately at -20 to -70 °C
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. <ul style="list-style-type: none"> • 12 months from date of receipt, -20 to -70 °C as supplied. • 1 month, 2 to 8 °C under sterile conditions after reconstitution. • 6 months, -20 to -70 °C under sterile conditions after reconstitution.

BACKGROUND

Human Lipin 2 is a 100 kDa (896 aa) nuclear protein that belongs to the large, evolutionarily conserved Lipin family. All Lipin family members have a conserved N-lipin domain at the N-termini, a nuclear localization signal, and a conserved C-lipin domain near the C-termini. The functions of the N- and C-lipin domain are not known. Lipin 2 is widely expressed. Mutations in human Lipin 2 have been associated with autosomal dominant high grade myopia and Majeed syndrome. Over the region used as immunogen, human and mouse Lipin 2 are 100% identical. Lipin 2 also shares approximately 48% - 50% amino acid sequence identity with Lipin 1 and Lipin 3.