Human Girdin Alexa Fluor® 594-conjugated Antibody

Antigen Affinity-purified Polyclonal Sheep IgG
Catalog Number: AF5345T
100 µg

DESCRIPTION

Species Reactivity	Human
Specificity	Detects endogenous human Girdin in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	*E. coli*-derived recombinant human Girdin Asn1510-Leu1824 Accession # Q3V6T2
Conjugate	Alexa Fluor 594 Excitation Wavelength: 590 nm Emission Wavelength: 617 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

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.*

Western Blot	Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping	The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.
Stability & Storage	Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Girdin (GIRDers of actIN filaments; also APE and GIV) is a member of the CCDC88 family of molecules. It is a cytosolic protein, ubiquitously expressed, and plays a key role in the motility of breast cancer cells. Human Girdin is 1871 amino acids (aa) in length. It contains two coiled-coil regions that mediate homodimerization (aa 196-425 and 458-1358), and one phosphoinositide-binding domain (aa 1390-1408). Normally, Girdin is membrane-associated via an interaction with phosphoinositides. Upon phosphorylation at Ser1417 by Akt, it relocates to lamellipodia where it crosslinks actin filaments. Multiple isoforms of Girdin have been detected.

PRODUCT SPECIFIC NOTICES

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