

DESCRIPTION

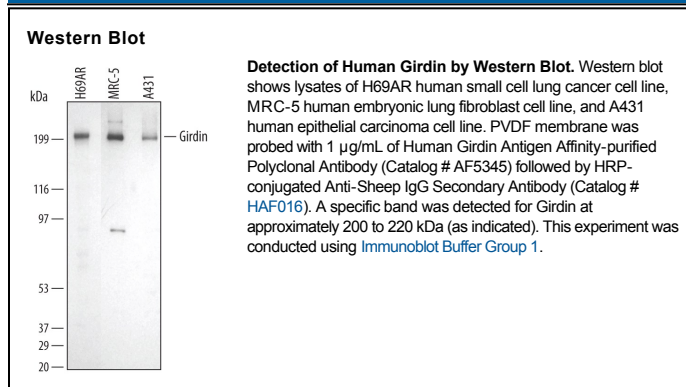
Species Reactivity	Human
Specificity	Detects endogenous human Girdin in Western blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human Girdin Asn1510-Leu1824 Accession # Q3V6T2
Formulation	Lyophilized from a 0.2 µm filtered solution in PBS with Trehalose. See Certificate of Analysis for details. *Small pack size (-SP) is supplied 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	1 µg/mL	See Below

DATA



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

Girdin (GIRDers of actIN filaments; also APE and GIV) is a member of the CDC88 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.