

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human and mouse Pin1 in Western blots.
Source	Monoclonal Mouse IgG _{2B} Clone # 257417
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Pin1 Ala2-Glu163 Accession # Q13526
Conjugate	Alexa Fluor 405 Excitation Wavelength: 405 nm Emission Wavelength: 421 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.
Immunocytochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunohistochemistry	Optimal dilution of this antibody should be experimentally determined.
Immunoprecipitation	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

Pin1 is a peptidyl-prolyl isomerase (PPI) that targets phosphorylated Ser or Thr residues followed by a Pro (S/T-P). Isomerization of phosphorylated Ser or Thr residues may alter protein conformation and, subsequently, modify activity. Pin1 is overexpressed in many human breast cancers, and has been shown to modify numerous proteins including p53, NF-κB, c-Jun, cyclin D1, and β-catenin.

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