

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human Zyxin in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 692624
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant human Zyxin Lys265-Leu383 Accession # Q15942
Conjugate	Alexa Fluor 647 Excitation Wavelength: 650 nm Emission Wavelength: 668 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.

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

Zyxin (ZYG), also known as Zyxin 2, is an approximately 80-85 kDa intracellular protein that functions in the regulation of actin cytoskeleton dynamics. Zyxin plays a role in remodeling of the actin cytoskeleton during wound healing, cell migration, cell adhesion, and epithelial-mesenchymal transition. The N-terminal region of Zyxin is proline-rich, while the C-terminal region contains three tandem LIM zinc-binding domains (aa 384-570). Within aa 265-383, human Zyxin shares 81% and 84% aa sequence identity with mouse and rat Zyxin, respectively.

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