

DESCRIPTION

Species Reactivity	Human/Mouse/Rat
Specificity	Detects human ACTN2 in direct ELISAs.
Source	Monoclonal Rabbit IgG Clone # 2285D
Purification	Protein A or G purified from cell culture supernatant
Immunogen	Synthetic peptide containing human ACTN2 Accession # P35609
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

Actinins are F-actin cross-linking proteins thought to anchor actin to a variety of intracellular structures. alpha-Actinin 2 (ACTN2) is a member of the spectrin superfamily with a predicted molecular weight of approximately 104 kDa. It is 894 amino acids (aa) in length and shares 99% aa identity with mouse and rat ACTN2. Two splice forms exist, resulting in 2 distinct isoforms. ACTN2 homodimerizes in an anti-parallel fashion, and can also form heterodimers with ACTN3.

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