

DESCRIPTION

Species Reactivity	Human/Mouse
Specificity	Detects human Cited-2 in direct ELISAs and Western blots.
Source	Monoclonal Rat IgG _{2A} Clone # 477226
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	<i>E. coli</i> -derived recombinant mouse Cited-2 Met1-Cys269 Accession # O35740
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.

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

Cited-2 is a 270 amino acid protein that functions by binding to the CH1 region of CREB binding protein (CBP)/p300. This binding interferes with certain transcription factors like HIF1α and STAT2 blocking their ability to bind and interact with CBP/p300. Cited-2 knockout mice die due to defects in heart and neural tube development. Mutations in Cited-2 have been reported in patients with congenital heart defects. It appears Cited-2 modulates apoptosis by a p53 independent pathway whereby the details still need to be elucidated.

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