

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CHIP/STUB1 in Western blots.
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	<i>E. coli</i> -derived recombinant human CHIP/STUB1 Met1-Tyr303 Accession # Q9UNE7
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

STUB1 (STIP1 homology and U-box-containing protein 1, also known as C-terminus of Hsc70-interacting protein, CHIP) is a 35 kDa ubiquitin ligase that participates in intracellular protein folding/refolding and degradation. It is highly expressed in striated muscle. STUB1/CHIP may complex with the molecular chaperones Hsp70 and Hsp90, or act by itself. In either event, it regulates protein stability and ubiquitination. Human STUB1/CHIP is 303 amino acids (aa) in length. It contains one TPR domain (aa 27-127) plus a C-terminal U-Box (aa 226-299). Its TRP domain interacts with heat shock proteins, while the U-Box participates in ubiquitination. There is one isoform that shows an alternate start site at Met73. Human and mouse STUB1 are 97% aa identical.

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