

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human CRELD2 α isoform in direct ELISAs and Western blots. In direct ELISAs and Western blots, approximately 30% cross-reactivity with recombinant mouse (rm) CRELD2 is observed and less than 1% cross-reactivity with recomb
Source	Polyclonal Goat IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant human CRELD2 α Isoform Ala21-Leu353 Accession # AAH50675
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.

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

CRELD2 is an ubiquitously expressed protein that is a second member of the CRELD family of matricellular proteins. Human CRELD2 α isoform is synthesized as a 353 amino acid residue precursor protein with a signal peptide, a highly conserved domain rich in glutamic acid and tryptophan (WE), and EGF-like repeats. Multiple isoforms, including the β isoform with a 27 aa substitution for the C-terminal 96 residues of the α isoform, and another isoform with a 32 residue deletion between residues 258 and 289, have been reported. Human CRELD2 has been shown to interact with the $\alpha 4$ subunit of the nicotinic acetylcholine receptor and function as a specific regulator of receptor expression. Human CRELD2 shares 76% and 77% amino acid sequence homology with mouse and rat CRELD 2, respectively.

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