

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Chondroadherin in direct ELISAs and Western Blots.
Source	Polyclonal Sheep IgG
Purification	Antigen Affinity-purified
Immunogen	Mouse myeloma cell line NS0-derived recombinant Chondroadherin Cys23-His359 Accession # O15335
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.
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

Chondroadherin is an approximately 36 kDa secreted glycosaminoglycan that contains nine tandem leucine-rich repeats as well as N-terminal and C-terminal leucine-rich domains. It is a component of the extracellular matrix in cartilage, tendon, bony growth plates, skeletal and cardiac muscle, lung, gastrointestinal tract, pancreas, cerebellum, and eye. It is cleaved by HTRA1/Omi during intervertebral disc degeneration. Chondroadherin functions as an adhesion protein by binding to Integrin α2/β1, Collagen II, and Collagen VI. It also promotes complement activation through binding to C1q and Complement Factor H. Mature human Chondroadherin shares 94% amino acid sequence identity with mouse and rat Chondroadherin.

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