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Product Data Sheet

Purified anti-Centrin 2 (Caltractin)

Catalog # / Size: 628801 / 50 µl (5 Western blots)
628802 / 200 µl (20 Western blots)

Clone: poly6288

Isotype: Rabbit IgG

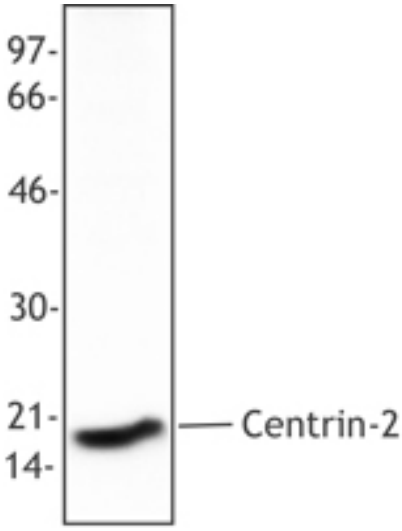
Immunogen: Recombinant centrin 2 protein

Reactivity: Human

Preparation: The antibody was purified by antigen-affinity chromatography.

Formulation: This antibody is provided in phosphate-buffered solution, pH 7.2, containing 0.09% sodium azide and 50% glycerol.

Storage: Upon receipt, store frozen at -20° C.



Hela cell extract was resolved by electrophoresis, transferred to nitrocellulose and probed with rabbit anti-centrin 2 antibody. Proteins were visualized using a donkey anti-rabbit secondary conjugated to HRP and a chemiluminescence detection system.

Applications:

Applications: WB - *Quality tested*

Recommended Usage: Each lot of this antibody is quality control tested by Western blotting. Western blotting, suggested working dilution(s): Use 10 µl per 5 ml antibody dilution buffer for each mini-gel. It is recommended that the reagent be titrated for optimal performance for each application.

Application References: 1. Dantas TJ, *et al.* 2011. *J Cell Biol.* 193:307. PubMed.

Description: Centrin 2, also known as caltractin, EF-hand protein 2, and 20 kD calcium-binding protein, is a calcium-binding protein that contains 4 EF-hand domains. Centrin 2 is highly expressed in the retina and testis, also expressed in liver, skeletal muscle and cardiac muscle. The centrin-2 protein plays a critical function in normal cell division,and is known to associate with the centrosomes, mitotic spindle poles, and basal bodies. Centrin 2 has a fundamental role in the structure and function of the microtubule-organizing center and has been shown to associate with the RAD23B, SFI1, and Xeroderma pigmentosum group C complementing proteins. The Poly6288 antibody recognizes human centrin 2 and has been shown to be useful for Western blotting.

Antigen References: 1. Lee VD and Huang B. 1993. *Proc. Natl. Acad. Sci.* 90:11039.
2. Tanaka T, *et al.* 1994. *Genomics* 24:609.

Related Products:

Product	Clone	Application
HRP Donkey anti-rabbit IgG (minimal x-reactivity)	Poly4064	ELISA, IHC, WB

BioLegend Inc., 9727 Pacific Heights Blvd, San Diego, CA 92121 www.biolegend.com
Toll-Free Phone: 1-877-Bio-Legend (246-5343) Phone: (858) 768-5800 Fax: (877) 455-9587