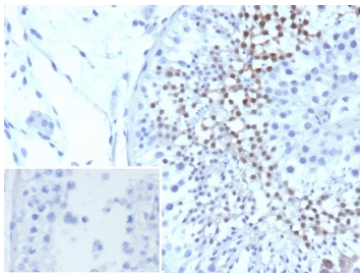
Centrin 1 Antibody / CETN1 [clone CETN1/9880] (V5654)

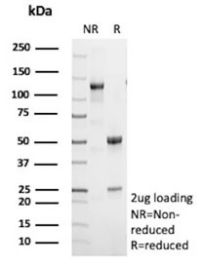
Catalog No.	Formulation	Size
V5654-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5654-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5654SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG
Clone Name	CETN1/9880
Purity	Protein A/G affinity
UniProt	Q12798
Localization	Cell projection, Cytoplasm, Nucleus
Applications	Immunohistochemistry (FFPE): 1-2ug/ml
Limitations	This Centrin 1 antibody is available for research use only.



IHC staining of FFPE human testis tissue with Centrin 1 antibody (clone CETN1/9880). Inset: PBS used in place of primary Ab (secondary Ab negative control). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free Centrin 1 antibody (clone CETN1/9880) as confirmation of integrity and purity.

Description

EF-hand type Ca2+-binding proteins consists of several family members, including Centrin-1, Centrin-2 and Centrin-3. The Centrin proteins are ubiquitously expressed cytoskeletal components that show increased expression during cell differentiation. Tissues where cilia are present, such as the retina and testis, express both Centrin-1 and -2, but Centrin-2 is also expressed in nondifferentiated, nonciliated retinal cells (retinoblastoma cells), liver, skeletal muscle, and cardiac muscle. In these tissues, Centrin associates with the centrosomes, mitotic spindle poles, and basal bodies. Knockdown studies reveal a requirement for Centrin in centriole duplication and organization of spindle pole morphology and the completion of cytokinesis. Centrin-3 plays a role in centrosome reproduction.

Application Notes

Optimal dilution of the Centrin 1 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 1-172 from human CETN1 protein was used as the immunogen for the Centrin 1 antibody.

Storage

Aliquot the Centrin 1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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