

CETN1 / Centrin-1 Antibody

Mouse Monoclonal Antibody [Clone CETN1/9877]

Catalog No	Format	Size
1068-MSM7-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1068-MSM7-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1068-MSM7-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

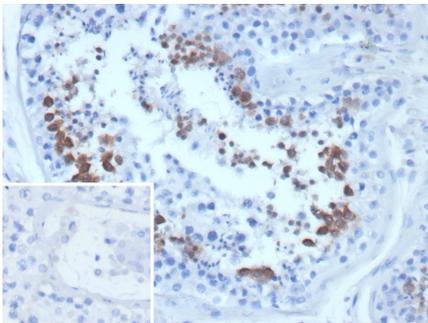
Applications	Tested Dillution	Note
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

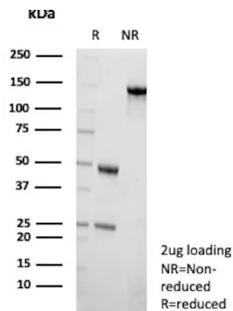
Clone	CETN1/9877
Gene Name	CETN1
Immunogen	Recombinant fragment (around aa1-172) of human CETN1 protein (exact sequence is proprietary)
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG
Mol. Weight of Antigen	20KDa
Cellular Localization	Cell projection, Centrosome, Cytoplasm, Cytoskeleton
Species Reactivity	Human
Positive Control	Human testis.

*Optimal dilution for a specific application should be determined.

Product Images for CETN1 / Centrin-1 Antibody



Formalin-fixed, paraffin-embedded human testis stained with Centrin-1 Mouse Monoclonal Antibody (CETN1/9877). Inset: PBS instead of primary antibody; secondary only negative control.



SDS-PAGE Analysis Purified CETN1 Mouse Monoclonal Antibody (CETN1/9877). Confirmation of Purity and Integrity of Antibody.

Specificity & Comments

Centrin-1 Antibody (2A6) is an IgG₁ mouse monoclonal Centrin-1 antibody (also designated Caltractin isoform 2 antibody or CETN1 antibody) that detects the Centrin-1 protein of human origin by WB, IP and ELISA. Centrin-1 Antibody (2A6) is available as the non-conjugated anti-Centrin-1 antibody. 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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular, Complement System, Immunology, Neuroscience
