

Product Datasheet

AKAP9 Antibody NB100-1517

Unit Size: 0.1 mg

Store at -20C. Avoid freeze-thaw cycles.

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NB100-1517

AKAP9 Antibody

Product Information	
Unit Size	0.1 mg
Concentration	0.5 mg/ml
Storage	Store at -20C. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.02% Sodium Azide
Isotype	IgG
Purity	Immunogen affinity purified
Buffer	Tris saline (20 mM Tris pH 7.3, 150 mM NaCl), 0.5% BSA
Target Molecular Weight	450 kDa

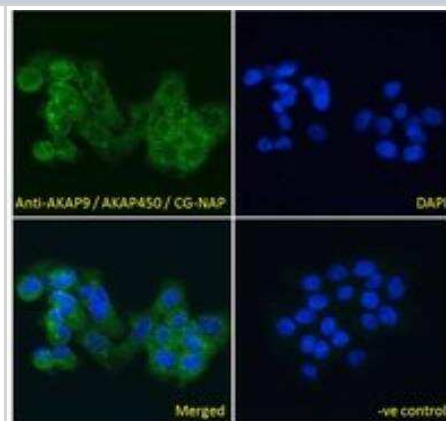
Product Description	
Description	Novus Biologicals Goat AKAP9 Antibody (NB100-1517) is a polyclonal antibody validated for use in WB, ELISA and ICC/IF. Anti-AKAP9 Antibody: Cited in 2 publications. All Novus Biologicals antibodies are covered by our 100% guarantee.
Host	Goat
Gene ID	10142
Gene Symbol	AKAP9
Species	Human, Rat
Reactivity Notes	Rat reactivity reported in scientific literature. (PMID: 21177871). Expected from sequence similarity: Mouse
Specificity/Sensitivity	This antibody is expected to recognise isoforms 2 and 3 (NP_005742.4; NP_671714.1 respectively). The isoforms Yotiao, AKAP350B and AKAP350C are not recognized.
Immunogen	Peptide with sequence C-SGSTTQFHAGMR corresponding to C-Terminus according to NP_005742.4, NP_671714.1.

Product Application Details	
Applications	Western Blot, Immunocytochemistry/ Immunofluorescence, Peptide ELISA
Recommended Dilutions	Western Blot 1-3 ug/ml, Immunocytochemistry/ Immunofluorescence 10ug/ml, Peptide ELISA 1:32000
Application Notes	Western blot: This product has been successfully used by a customer, showing a band at approx 450kDa in lysates of cell line HepG2 (calculated MW of 453kDa according to NP_005742.4). Immunofluorescence: Strong expression of the protein seen in the cytoplasm of A431 and U2OS cells.

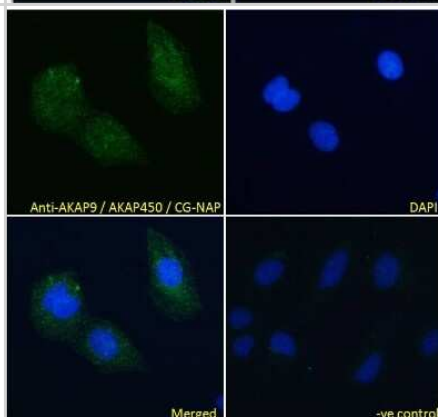


Images

Immunocytochemistry/Immunofluorescence: AKAP9 Antibody [NB100-1517] - analysis of paraformaldehyde fixed A431 cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic and Golgi apparatus staining. The nuclear stain is DAPI (blue). Negative control: Unimmunized goat IgG (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml).



Immunocytochemistry/Immunofluorescence: AKAP9 Antibody [NB100-1517] - analysis of paraformaldehyde fixed U2OS cells, permeabilized with 0.15% Triton. Primary incubation 1hr (10ug/ml) followed by Alexa Fluor 488 secondary antibody (4ug/ml), showing cytoplasmic staining. The nuclear stain is DAPI (b



Publications

Ciampi R, Knauf JA, Kerler R et al. Oncogenic AKAP9-BRAF fusion is a novel mechanism of MAPK pathway activation in thyroid cancer. *J Clin Invest* 2005-01-01 [PMID: 15630448]

Christian F, Szaszak M, Friedl S et al. Small molecule AKAP/PKA interaction disruptors that activate PKA interfere with compartmentalized cAMP signaling in cardiac myocytes. *J Biol Chem*. 2011-01-01 [PMID: 21177871]



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Products Related to NB100-1517

NBP2-33376H	Blue Marker Antibody (6F4-F6) [HRP]
HAF017	Rabbit anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
HAF109	Donkey anti-Goat IgG Secondary Antibody [HRP (Horseradish Peroxidase)]
NB410-28088-1mg	Goat IgG Isotype Control

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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