

DNAL 1

Cat.No. 433 004; Polyclonal Guinea pig antibody, 100 µl antiserum (lyophilized)

Data Sheet

Reconstitution/ Storage	100 µl antiserum, lyophilized. For reconstitution add 100 µl H ₂ O, then aliquot and store at -20°C until use.
Applications	WB: 1 : 1000 up to 1 : 2000 AP staining IP: not tested yet ICC: not recommended IHC: 1 : 500 up to 1 : 1000 (see remarks) IHC-P/FFPE: 1 : 1000
Immunogen	Recombinant protein corresponding to AA 1 to 190 from mouse Dnal1 (UniProt Id: Q05A62)
Reactivity	Reacts with: mouse (Q05A62), rat (A0A096MJZ0). Other species not tested yet.
Specificity	Specific for DNAL 1
Remarks	IHC: Antigen retrieval (10mM citrate, pH 6.0, overnight at 60°C) is recommended.

TO BE USED IN VITRO / FOR RESEARCH ONLY
NOT TOXIC, NOT HAZARDOUS, NOT INFECTIOUS, NOT CONTAGIOUS

DNAL 1, the Dynein light chain 1, also known as MGC12435 or C14orf168, is an axonemal protein found in the outer dynein arms complex. DNAL 1 uses ATP to provide the force for movement of motile cilia or flagella. DNAL 1 interacts directly with DNAH 5 and is expressed in the testis and other tissues containing motile cilia. Alternate splicing results in multiple transcript variants.