

**bs-11022R****[ Primary Antibody ]****DNAH10 Rabbit pAb**

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**— DATASHEET —**

<b>Host:</b> Rabbit	<b>Isotype:</b> IgG	<b>Applications:</b> <b>IHC-P</b> (1:100-500) <b>IHC-F</b> (1:100-500) <b>IF</b> (1:100-500) <b>ICC/IF</b> (1:100-500) <b>ELISA</b> (1:5000-10000)  <b>Reactivity:</b> (predicted: Human, Mouse, Rat, Cow)  <b>Predicted MW.:</b> 515 kDa  <b>Subcellular Location:</b> Cytoplasm
<b>Clonality:</b> Polyclonal		
<b>GeneID:</b> 196385	<b>SWISS:</b> Q8IVF4	
<b>Target:</b> DNAH10		
<b>Immunogen:</b> KLH conjugated synthetic peptide derived from human DNAH10: 3561-3700/4471.		
<b>Purification:</b> affinity purified by Protein A		
<b>Concentration:</b> 1mg/ml		
<b>Storage:</b> 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.		
<b>Background:</b> bs-11022P is one synthetic peptide derived from human DNAH10. Dyneins are microtubule-associated motor protein complexes composed of several heavy, light, and intermediate chains. The axonemal dyneins, found in cilia and flagella, are components of the outer and inner dynein arms attached to the peripheral microtubule doublets. DNAH10 is an inner arm dynein heavy chain (Maiti et al., 2000 [PubMed 11175280]).[supplied by OMIM, Mar 2008]		

**— SELECTED CITATIONS —**

- **[IF=11.025]** Chaofeng Tu. et al. Bi-allelic mutations of DNAH10 cause primary male infertility with asthenoteratozoospermia in humans and mice. Am J Hum Genet. 2021 Jul; IF ;Human. 34237282
- **[IF=10.849]** Lu, Shuai. et al. Bi-allelic variants in human WDR63 cause male infertility via abnormal inner dynein arms assembly. Cell Discov. 2021 Nov;7(1):1-15 WB ;Mouse. 34782613
- **[IF=6.2]** Wang Chang. et al. ZMYND12 serves as an IDAd subunit that is essential for sperm motility in mice. CELL MOL LIFE SCI. 2024 Dec;81(1):1-14 IF ;Mouse. 39066891
- **[IF=3.7]** Xueqi Li. et al. Mutations in DNAH2, DNAH6, and DNAH10 cause multiple morphological abnormalities of human sperm flagella with good assisted reproductive outcomes. REPRODUCTIVE BIOMEDICINE ONLINE. IF ;Human. 10.1016/j.rbmo.2025.104949
- **[IF=2.7]** Chang-Guo Min. et al. The effects of repeated freezing and thawing on bovine sperm morphometry and function. CRYOBIOLOGY. 2024 Jun;115:104892 IF ;Bovine. 38593909