

HSPA2 Monoclonal antibody, PBS Only

Catalog Number: 66291-1-PBS

Basic Information

Catalog Number: 66291-1-PBS	GenBank Accession Number: BC036107	Purification Method: Protein G purification
Size: 1 mg/ml	GeneID (NCBI): 3306	CloneNo.: 1A4A9
Source: Mouse	UNIPROT ID: P54652	
Isotype: IgG1	Full Name: heat shock 70kDa protein 2	
Immunogen Catalog Number: AG24228	Calculated MW: 639 aa, 70 kDa	
	Observed MW: 70 kDa	

Applications

Tested Applications:
WB, Indirect ELISA, IHC

Species Specificity:
human, rat, mouse

Background Information

Human HSPA2 is a member of the HSPA (HSP70) family of heat-shock proteins, encoded by the gene originally described as testis-specific. Recently, it has been reported that HSPA2 can be also expressed in human somatic tissues in a cell-type specific manner. HSPA2 is a cytosol/nuclear protein able to translocate between cytoplasm and nucleus. HSPA2 is involved in sperm maturity, function and fertility. Aberrant expression of HSPA2 in testes has been connected with male infertility. Recently, HSPA2 has attracted increased interest due to its possible involvement in carcinogenesis of non-testicular tissues. This antibody well recognized the endogenous HSPA2 protein in testis and multiple cell lines. (21373891)

Storage

Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:

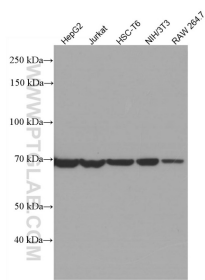
T: 4006900926

E: Proteintech-CN@ptglab.com

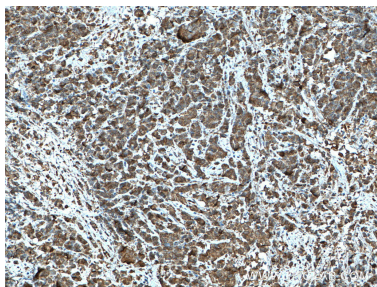
W: ptgcn.com

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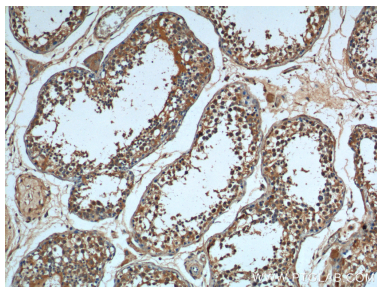
Selected Validation Data



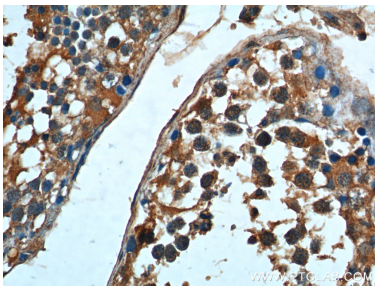
Various lysates (25 μ g/lane) were subjected to SDS PAGE followed by western blot with 66291-1-Ig (HSPA2 antibody) at dilution of 1:40000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 66291-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human prostate cancer tissue slide using 66291-1-Ig (HSPA2 antibody) at dilution of 1:1000 (under 10 \times lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 66291-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 66291-1-Ig (HSPA2 Antibody) at dilution of 1:200 (under 10 \times lens). This data was developed using the same antibody clone with 66291-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human testis tissue slide using 66291-1-Ig (HSPA2 Antibody) at dilution of 1:200 (under 40 \times lens). This data was developed using the same antibody clone with 66291-1-PBS in a different storage buffer formulation.