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HSF2BP antibody - N-terminal region

Rabbit Polyclonal Antibody
Catalog # AI10741

Product Information

Application	WB, IHC
Primary Accession	O75031
Other Accession	NM_007031, NP_008962
Reactivity	Human, Mouse, Rat, Dog, Horse, Bovine
Predicted	Mouse, Rat, Horse, Bovine
Host	Rabbit
Clonality	Polyclonal
Calculated MW	37645

Additional Information

Gene ID	11077
Other Names	Heat shock factor 2-binding protein, HSF2BP
Format	Liquid. Purified antibody supplied in 1x PBS buffer with 0.09% (w/v) sodium azide and 2% sucrose.
Reconstitution & Storage	Add 100 ul of distilled water. Final anti-HSF2BP antibody concentration is 1 mg/ml in PBS buffer with 2% sucrose. For longer periods of storage, store at 20°C. Avoid repeat freeze-thaw cycles.
Precautions	HSF2BP antibody - N-terminal region is for research use only and not for use in diagnostic or therapeutic procedures.

Protein Information

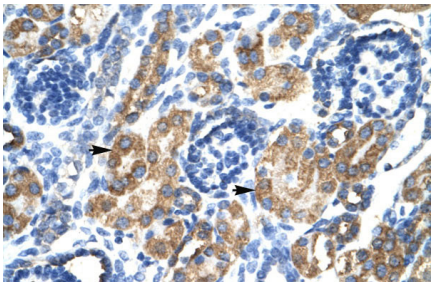
Name	HSF2BP (HGNC:5226)
Function	Meiotic recombination factor component of recombination bridges involved in meiotic double-strand break repair. Modulates the localization of recombinases DMC1:RAD51 to meiotic double-strand break (DSB) sites through the interaction with BRCA2 and its recruitment during meiotic recombination (By similarity) (PubMed:31242413). Indispensable for the DSB repair, homologous synapsis, and crossover formation that are needed for progression past metaphase I, is essential for spermatogenesis and male fertility (By similarity). Required for proper recombinase recruitment in female meiosis (By similarity). Inhibits BNC1 transcriptional activity during spermatogenesis, probably by sequestering it in the cytoplasm (By similarity). May be involved in modulating HSF2 activation in testis (PubMed:9651507).

Cellular Location	Cytoplasm {ECO:0000250|UniProtKB:Q9D4G2}. Chromosome. Note=Localizes on double- strand breaks (DSBs) in mitotic and meiotic chromosomes
Tissue Location	Testis specific. Overexpressed in some tumors (PubMed:31242413).

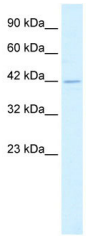
References

Yoshima,T., et al., (1998) Gene 214 (1-2), 139-146Reconstitution and Storage:For short term use, store at 2-8C up to 1 week. For long term storage, store at -20C in small aliquots to prevent freeze-thaw cycles.

Images



Human kidney



WB Suggested Anti-HSF2BP Antibody Titration: 1.25µg/ml
ELISA Titer: 1:312500
Positive Control: Jurkat cell lysate

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.