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Datasheet for ABIN3044217
anti-HSF2 antibody (Middle Region)

3 Images

Overview

Quantity:	100 µg
Target:	HSF2
Binding Specificity:	AA 82-102, Middle Region
Reactivity:	Human, Rat
Host:	Rabbit
Clonality:	Polyclonal
Application:	Western Blotting (WB), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p))

Product Details

Purpose:	Rabbit IgG polyclonal antibody for Heat shock factor protein 2(HSF2) detection. Tested with WB, IHC-P in Human,Mouse,Rat.
Immunogen:	A synthetic peptide corresponding to a sequence in the middle region of human HSF2(82-102aa KQERDGPVEFQHPYFKQGQDD), identical to the related mouse sequence, and different from the related rat sequence by one amino acid.
Sequence:	KQERDGPVEF QHPYFKQGQD D
Isotype:	IgG
Cross-Reactivity (Details):	Predicted Cross Reactivity: mouse No cross reactivity with other proteins. Predicted Cross Reactivity: Species predicted to be fit for the product based on sequence similarities.
Characteristics:	Rabbit IgG polyclonal antibody for Heat shock factor protein 2(HSF2) detection. Tested with

Product Details

WB, IHC-P in Human, Mouse, Rat.

Gene Name: heat shock transcription factor 2

Protein Name: Heat shock factor protein 2 (HSF 2)

Purification: Immunogen affinity purified.

Target Details

Target: HSF2

Alternative Name: HSF2 ([HSF2 Products](#))

Background: HSF2 (HEAT-SHOCK TRANSCRIPTION FACTOR 2), also called HEAT-SHOCK FACTOR 2, as well as the related gene HSF1, encodes a protein that binds specifically to the heat-shock element and has homology to HSFs of other species. The International Radiation Hybrid Mapping Consortium maps the HSF2 gene to chromosome 6. Mouse Hsf2 was expressed in all 3 embryonic layers at embryonic day 7.5 and that the head fold was strongly stained at embryonic day 8.5. In adults, Hsf2 expression is detected in spermatocytes and spermatogonia, but not in elongated spermatids, spermatozoa, or Sertoli cells. Hsp70i bookmarking is mediated by a transcription factor called HSF2, which binds this promoter in mitotic cells, recruits protein phosphatase-2A, and interacts with the CAPG subunit of the condensin enzyme to promote efficient dephosphorylation and inactivation of condensin complexes in the vicinity, thereby preventing compaction at this site. And Hsf2-null mice were born at the expected mendelian ratio but had brain abnormalities and meiotic and gametogenic defects in both genders.

Synonyms: Heat shock factor protein 2 antibody|Heat shock transcription factor 2 antibody|HSF 2 antibody|HSF2 antibody|HSF2_HUMAN antibody|HSTF 2 antibody

UniProt: [Q03933](#)

Application Details

Application Notes: WB: Concentration: 0.1-0.5 µg/mL, Tested Species: Human, Rat, Predicted Species: Mouse
IHC-P: Concentration: 0.5-1 µg/mL, Tested Species: Rat, Predicted Species: Human, Mouse,
Epitope Retrieval by Heat: Boiling the paraffin sections in 10 mM citrate buffer, pH 6.0, for 20 mins is required for the staining of formalin/paraffin sections.
Notes: Tested Species: Species with positive results. Predicted Species: Species predicted to be fit for the product based on sequence similarities. Other applications have not been tested.
Optimal dilutions should be determined by end users.

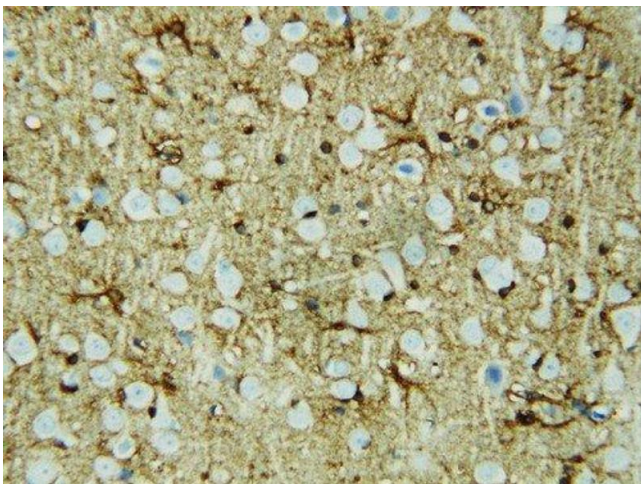
Application Details

Comment:	Antibody can be supported by chemiluminescence kit ABIN921124 in WB, supported by ABIN921231 in IHC(P).
Restrictions:	For Research Use only

Handling

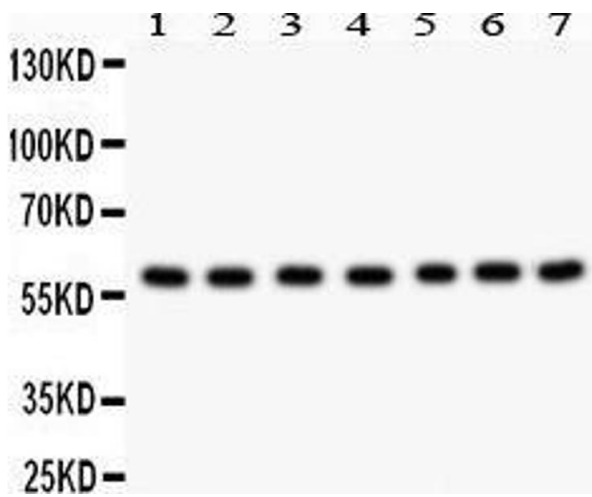
Format:	Lyophilized
Reconstitution:	Add 0.2 mL of distilled water will yield a concentration of 500 µg/mL.
Concentration:	500 µg/mL
Buffer:	Each vial contains 5 mg BSA, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ , 0.05 mg Thimerosal, 0.05 mg Sodium azide.
Preservative:	Thimerosal (Merthiolate), Sodium azide
Precaution of Use:	This product contains Sodium azide and Thimerosal (Merthiolate): POISONOUS AND HAZARDOUS SUBSTANCES which should be handled by trained staff only.
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C/-20 °C
Storage Comment:	At -20°C for one year. After reconstitution, at 4°C for one month. It can also be aliquotted and stored frozen at -20 °C for a longer time. Avoid repeated freezing and thawing.
Expiry Date:	12 months

Images



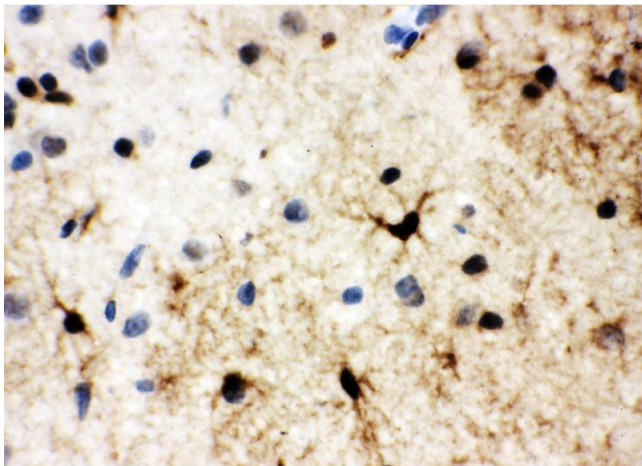
Immunohistochemistry

Image 1. Anti-HSF2 antibody, IHC(P) IHC(P): Rat Brain Tissue



Western Blotting

Image 2.



Immunohistochemistry

Image 3. Anti-HSF2 antibody, IHC(P) IHC(P): Rat Brain Tissue