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Datasheet for ABIN6262098 anti-HSPA9 antibody (C-Term)

3 Images

1 Publication



Overview

| Quantity: | 100 µL |
|----------------------|---|
| Target: | HSPA9 |
| Binding Specificity: | C-Term |
| Reactivity: | Human, Rat, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This HSPA9 antibody is un-conjugated |
| Application: | Western Blotting (WB), Immunohistochemistry (IHC), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC) |

Product Details

| Immunogen: | A synthesized peptide derived from human Grp75, corresponding to a region within C-terminal amino acids. |
|-----------------------|--|
| Isotype: | lgG |
| Specificity: | Grp75 Antibody detects endogenous levels of total Grp75. |
| Predicted Reactivity: | Pig,Bovine,Horse,Sheep,Rabbit |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific). |

Target Details

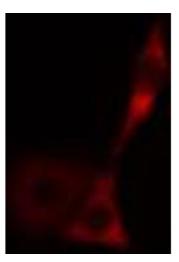
HSPA9

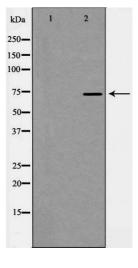
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| Target Details | |
|---------------------|--|
| Alternative Name: | HSPA9 (HSPA9 Products) |
| Background: | Description: Chaperone protein which plays an important role in mitochondrial iron-sulfur cluster (ISC) biogenesis. Interacts with and stabilizes ISC cluster assembly proteins FXN, NFU1, NFS1 and ISCU (PubMed:26702583). Regulates erythropoiesis via stabilization of ISC assembly (PubMed:21123823, PubMed:26702583). May play a role in the control of cell proliferation and cellular aging (By similarity). Gene: HSPA9 |
| Molecular Weight: | 74 kDa |
| Gene ID: | 3313 |
| UniProt: | P38646 |
| Application Details | |
| Application Notes: | WB 1:500-1:2000, IHC 1:50-1:200, IF/ICC 1:100-1:500, ELISA(peptide) 1:20000-1:40000 |
| Restrictions: | For Research Use only |
| Handling | |
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | Rabbit IgG in phosphate buffered saline , pH 7.4, 150 mM NaCl, 0.02 % sodium azide and 50 % glycerol. |
| Preservative: | Sodium azide |
| Precaution of Use: | This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only. |
| Storage: | -20 °C |
| Storage Comment: | Store at -20 °C. Stable for 12 months from date of receipt. |
| Expiry Date: | 12 months |
| Publications | |
| Product cited in: | Meng, Chen, Lei, Han, Zhong, Wang, Liu, Gao, Zhang, Tan, Liu, Zhou, Sun, Yang: "Hsp90β promotes aggressive vasculogenic mimicry via epithelial-mesenchymal transition in |

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Images



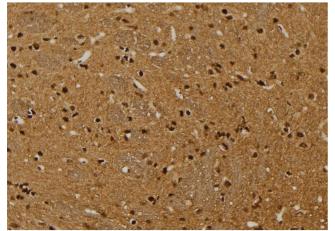


Immunofluorescence (fixed cells)

Image 1. ABIN6269010 staining HeLa cells by IF/ICC. The sample were fixed with PFA and permeabilized in 0.1% Triton X-100,then blocked in 10% serum for 45 minutes at 25°C. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37°C. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) antibody(Cat.# S0006), diluted at 1/600, was used as secondary antibody.

Western Blotting

Image 2. Western blot analysis of GRP75 expression in Cos7 cell extract.The lane on the left is treated with the antigen-specific peptide.



Immunohistochemistry

Image 3. ABIN6269010 at 1/100 staining Rat brain tissue by IHC-P. The sample was formaldehyde fixed and a heat mediated antigen retrieval step in citrate buffer was performed. The sample was then blocked and incubated with the antibody for 1.5 hours at 22°C. An HRP conjugated goat anti-rabbit antibody was used as the secondary.

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