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anti-KCNN4 antibody (C-Term)

2 Images

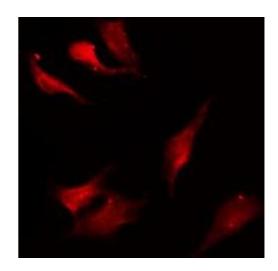


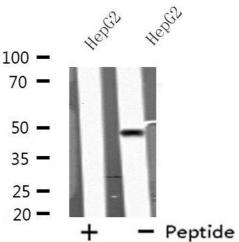
Go to Product page

| Overview | |
|-----------------------|--|
| Quantity: | 100 μL |
| Target: | KCNN4 |
| Binding Specificity: | C-Term |
| Reactivity: | Human, Rat, Mouse |
| Host: | Rabbit |
| Clonality: | Polyclonal |
| Conjugate: | This KCNN4 antibody is un-conjugated |
| Application: | Western Blotting (WB), ELISA, Immunofluorescence (IF), Immunocytochemistry (ICC) |
| Product Details | |
| Immunogen: | A synthesized peptide derived from human KCNN4, corresponding to a region within C-terminal amino acids. |
| Isotype: | IgG |
| Specificity: | KCNN4 Antibody detects endogenous levels of total KCNN4. |
| Predicted Reactivity: | Pig,Horse,Sheep,Rabbit,Dog |
| Purification: | The antiserum was purified by peptide affinity chromatography using SulfoLink TM Coupling Resin (Thermo Fisher Scientific). |
| Target Details | |
| Target: | KCNN4 |

Target Details

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|---------------------------------------|---|
| Alternative Name: | KCNN4 (KCNN4 Products) |
| Background: | Description: Forms a voltage-independent potassium channel that is activated by intracellular calcium (PubMed:26148990). Activation is followed by membrane hyperpolarization which promotes calcium influx. Required for maximal calcium influx and proliferation during the reactivation of naive T-cells. The channel is blocked by clotrimazole and charybdotoxin but is insensitive to apamin (PubMed:17157250, PubMed:18796614). Gene: KCNN4 |
| Molecular Weight: | 48 kDa |
| Gene ID: | 3783 |
| UniProt: | 015554 |
| Application Details | |
| Application Notes: | WB 1:500-1:1000, 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 |





Immunofluorescence (fixed cells)

Image 1. ABIN6275200 staining HepG2 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¡ãC. The primary antibody was diluted at 1/200 and incubated with the sample for 1 hour at 37¡ãC. An Alexa Fluor 594 conjugated goat anti-rabbit IgG (H+L) Ab, diluted at 1/600, was used as the secondary antibod

Western Blotting

Image 2. Western blot analysis of extracts from HepG2 cells, using KCNN4 antibody.