

# HCN2 Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP00160-2**

## Capture Antibody Information

**Catalog Number:**  
84308-4-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
241601D11  
**Reactivity:**  
human  
**Immunogen Catalog Number:**  
Ag34038

**Conjugate:**  
Unconjugated  
**Full name:**  
hyperpolarization activated cyclic nucleotide-gated potassium channel 2  
**Gene ID:**  
610

## Detection Antibody Information

**Catalog Number:**  
84308-3-PBS  
**Host:**  
Rabbit  
**Isotype:**  
IgG  
**Purification Method:**  
Protein A purification

**Clone ID:**  
241601E10  
**Reactivity:**  
human, mouse, rat  
**GenBank:**  
NM\_001194  
**Immunogen Catalog Number:**  
Ag34038

**Conjugate:**  
Unconjugated  
**Full name:**  
hyperpolarization activated cyclic nucleotide-gated potassium channel 2  
**Gene ID:**  
610

## Applications

**Tested Applications:**  
Sandwich ELISA

**Range:**  
39.1-2500 pg/mL (Sandwich ELISA)

**Recommended Dilutions:**  
It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

## Product Information

MP00160-2 targets HCN2 in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: HCN2 Recombinant antibody, PBS Only (Capture) 84308-4-PBS (241601D11). 100 µg. Concentration 1 mg/mL.

Detection antibody: HCN2 Recombinant antibody, PBS Only (Detector) 84308-3-PBS (241601E10). 100 µg. Concentration 1 mg/mL.

Unconjugated rabbit recombinant monoclonal antibody pair in PBS only storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

## Storage

**Storage:**  
Store at -80°C.  
**Storage buffer:**  
PBS only

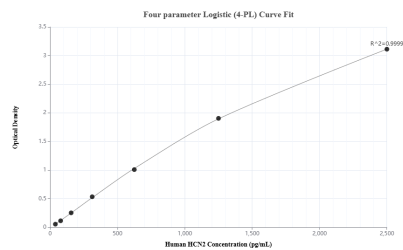
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

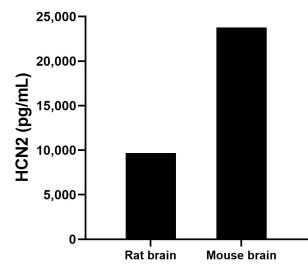
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## Selected Validation Data



Sandwich ELISA standard curve of MP00160-2, Human HCN2 Recombinant Matched Antibody Pair - PBS only. 84308-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag34038. 84308-3-PBS was HRP conjugated as the detection antibody. Range: 39.1-2500 pg/mL



The mean HCN2 concentration was determined to be 9,765.2 ng/mL in rat brain tissue extract based on a 1.6 mg/mL extract load and 23,767.3 ng/mL in mouse brain tissue extract based on a 2.0 mg/mL extract load.