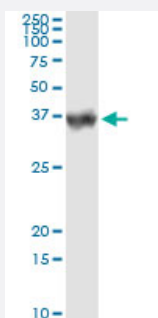


# CA1 (Human) IP-WB Antibody Pair

Catalog # H00000759-PW1

Size 1 Set

## Applications



Immunoprecipitation of CA1 transfected lysate using mouse monoclonal anti-CA1 and Protein A Magnetic Bead ([U0007](#)), and immunoblotted with rabbit polyclonal anti-CA1.

## Specification

<b>Product Description</b>	This IP-WB antibody pair set comes with one antibody for immunoprecipitation and another to detect the precipitated protein in western blot.
<b>Reactivity</b>	Human
<b>Interspecies Antigen Sequence</b>	Mouse (84%); Rat (89%)
<b>Quality Control Testing</b>	Immunoprecipitation-Western Blot (IP-WB) Immunoprecipitation of CA1 transfected lysate using mouse monoclonal anti-CA1 and Protein A Magnetic Bead ( <a href="#">U0007</a> ), and immunoblotted with rabbit polyclonal anti-CA1.
<b>Supplied Product</b>	Antibody pair set content: 1. Antibody pair for IP: mouse monoclonal anti-CA1 (300 ug) 2. Antibody pair for WB: rabbit polyclonal anti-CA1 (50 ul)
<b>Storage Instruction</b>	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze thaw cycle. Reagents should be returned to -20°C storage immediately after use.

## Applications

- Immunoprecipitation-Western Blot

[Protocol Download](#)

## Gene Info — CA1

**Entrez GeneID** [759](#)

**Gene Name** CA1

**Gene Alias** Car1

**Gene Description** carbonic anhydrase I

**Omim ID** [114800](#)

**Gene Ontology** [Hyperlink](#)

### Gene Summary

Carbonic anhydrases (CAs) are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They participate in a variety of biological processes, including respiration, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cerebrospinal fluid, saliva, and gastric acid. They show extensive diversity in tissue distribution and in their subcellular localization. CA1 is closely linked to CA2 and CA3 genes on chromosome 8, and it encodes a cytosolic protein which is found at the highest level in erythrocytes. Variants of this gene have been described in some populations. Multiple alternatively spliced variants, encoding the same protein, have been identified. Transcript variants of CA1 utilizing alternative polyA\_sites have been described in literature. [provided by RefSeq]

**Other Designations** carbonic dehydratase

## Pathway

- [Nitrogen metabolism](#)

## Disease

- [Diabetic Retinopathy](#)