

For Research Use Only

# CoraLite® Plus 488-conjugated GSNOR,ADH5 Polyclonal antibody

Catalog Number:CL488-16379

Featured Product



## Basic Information

### Catalog Number:

CL488-16379

### Size:

100ul , Concentration: 1000 ug/ml by  
Nanodrop;

### Source:

Rabbit

### Isotype:

IgG

### Immunogen Catalog Number:

AG9360

### GenBank Accession Number:

BC014665

### GeneID (NCBI):

128

### UNIPROT ID:

P11766

### Full Name:

alcohol dehydrogenase 5 (class III),  
chi polypeptide

### Calculated MW:

374 aa, 40 kDa

### Observed MW:

40 kDa

### Purification Method:

Antigen affinity purification

### Excitation/Emission maxima wavelengths:

493 nm / 522 nm

## Applications

### Tested Applications:

FC (Intra)

### Species Specificity:

human, mouse, rat

## Background Information

ADH5, also named as ADHX, FDH FALDH GSH-FDH ADH3 and GSNOR, belongs to the zinc-containing alcohol dehydrogenase family and Class-III subfamily. It is remarkably ineffective in oxidizing ethanol, but it readily catalyzes the oxidation of long-chain primary alcohols and the oxidation of S-(hydroxymethyl) glutathione. ADH5 mediates multiple cardiovascular functions. It plays in regulating heterocellular communication in the artery wall. (PMID:21071693). ADH5 immunostaining is distributed in both the nucleus and cytoplasm of the retinal ganglion cells(PMID:22117533).

## Storage

### Storage:

Store at -20°C. Avoid exposure to light. Stable for one year after shipment.

### Storage Buffer:

PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.

Aliquoting is unnecessary for -20°C storage

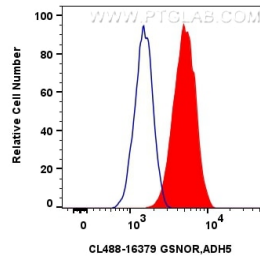
For technical support and original validation data for this product please contact:

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## Selected Validation Data



$1 \times 10^6$  HepG2 cells were intracellularly stained with 0.8  $\mu$ g CoraLite® Plus 488-conjugated GSNOR,ADH5 Polyclonal antibody (CL488-16379) (red), or 0.8  $\mu$ g CoraLite® Plus 488-conjugated Rabbit IgG control Rabbit PolyAb (CL488-30000) (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C).