



# Anti-CA2 polyclonal antibody (CPBT-65873SH)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Product Overview</b>	Product identity is confirmed by double diffusion vs human CAII. No reactivity is seen in immunodiffusion against CAI. Western Blotting Sheep anti human carbonic anhydrase II recognises a band of ~18kDa in rat adrenomedullary chromaffin cell lysates.
<b>Specificity</b>	CA2
<b>Immunogen</b>	Purified human carbonic anhydrase II (CAII) prepared from erythrocytes.
<b>Isotype</b>	IgG
<b>Source/Host</b>	Sheep
<b>Species Reactivity</b>	Human
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	ID; IF; WB
<b>Format</b>	Purified IgG - liquid
<b>Size</b>	1 ml
<b>Preservative</b>	0.09% Sodium Azide
<b>Storage</b>	in frost free freezers is not recommended. Avoid repeated freezing and thawing as this may denature the antibody. Should this product contain a precipitate we recommend microcentrifugation before use.

## GENE INFORMATION

**Gene Name** [CA2 carbonic anhydrase II \[ Homo sapiens \(human\) \]](#)

<b>Official Symbol</b>	CA2
<b>Synonyms</b>	CA2; carbonic anhydrase II; CAC; CAII; Car2; CA-II; HEL-76; carbonic anhydrase 2; carbonic anhydrase B; carbonic anhydrase C; carbonic dehydratase; carbonate dehydratase II; epididymis luminal protein 76;
<b>Entrez Gene ID</b>	<a href="#">760</a>
<b>Protein Refseq</b>	<a href="#">NP_000058</a>
<b>UniProt ID</b>	P00918
<b>Chromosome Location</b>	8q22
<b>Pathway</b>	Bile secretion; Collecting duct acid secretion; Erythrocytes take up carbon dioxide and release oxygen; Erythrocytes take up oxygen and release carbon dioxide; Gastric acid secretion; Metabolism; Nitrogen metabolism; O2/CO2 exchange in erythrocytes;
<b>Function</b>	carbonate dehydratase activity; protein binding; zinc ion binding;