



Anti-CA2 polyclonal antibody (CPBT-65873SH)

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

PRODUCT INFORMATION

Product Overview	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.
Specificity	CA2
Immunogen	Purified human carbonic anhydrase II (CAII) prepared from erythrocytes.
Isotype	IgG
Source/Host	Sheep
Species Reactivity	Human
Conjugate	Unconjugated
Applications	ID; IF; WB
Format	Purified IgG - liquid
Size	1 ml
Preservative	0.09% Sodium Azide
Storage	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 \(human\) \]](#)

Official Symbol	CA2
Synonyms	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;
Entrez Gene ID	760
Protein Refseq	NP_000058
UniProt ID	P00918
Chromosome Location	8q22
Pathway	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;
Function	carbonate dehydratase activity; protein binding; zinc ion binding;