



Anti-CA1 (native protein) polyclonal antibody (CPBT-67366SH)

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

PRODUCT INFORMATION

Product Overview	Sheep anti Human carbonic anhydrase I antibody recognizes human carbonic anhydrase I, a cytoplasmic protein that catalyses the reversible hydration of carbon dioxide. This antibody has not been cross-adsorbed and may react with similar peptides from related species.
Specificity	CA1
Immunogen	Native, from erythrocytes
Isotype	IgG
Source/Host	Sheep
Species Reactivity	Human
Conjugate	FITC
Applications	IF
Format	Purified IgG conjugated to Fluorescein Isothiocyanate Isomer 1 (FITC) - liquid
Size	1 mg
Preservative	0.09% Sodium Azide
Storage	in frost-free freezers is not recommended. This product should be stored undiluted. This product is photosensitive and should be protected from light. 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	CA1 carbonic anhydrase I [Homo sapiens (human)]
Official Symbol	CA1
Synonyms	CA1; carbonic anhydrase I; CAB; CA-I; Car1; HEL-S-11; carbonic anhydrase 1; carbonic anhydrase B; carbonate dehydratase I; epididymis secretory protein Li 11;
Entrez Gene ID	759
Protein Refseq	NP_001122301
UniProt ID	P00915
Chromosome Location	8q21.2
Pathway	C-MYB transcription factor network; Erythrocytes take up carbon dioxide and release oxygen; Erythrocytes take up oxygen and release carbon dioxide; Metabolism; Nitrogen metabolism; O2/CO2 exchange in erythrocytes; Reversible hydration of carbon dioxide;
Function	carbonate dehydratase activity; zinc ion binding;