

Rabbit CA3 Polyclonal Antibody | anti-CA3 antibody

CA3 Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA169850	Rabbit	Human, Mouse, Rat	Immunofluorescence, Immunohistochemistry, Western Blot

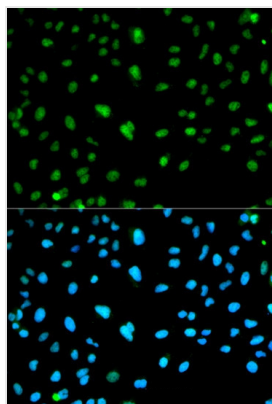
PRODUCT SYNONYMS

CA3; Polyclonal Antibody; CA3 Antibody; CAIII; Car3; anti-CA3 antibody

PRODUCT SPECIFICATIONS

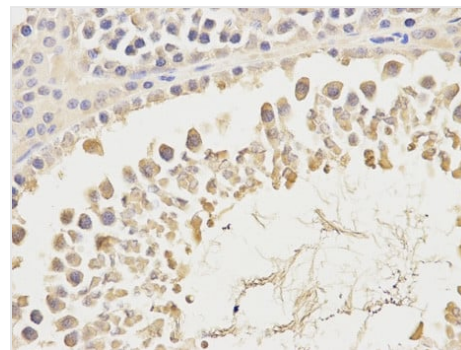
Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	IgG
Purity/Purification	Antigen affinity purification
Concentration	1mg/mL (varies by lot)
Sequence Length	260
Applicable Applications for anti-CA3 antibody	IF (Immunofluorescence), IHC (Immunohistochemistry), WB (Western Blot)
Immunogen	Recombinant protein of human CA3
Buffer	PBS with 0.02% sodium azide, 50% glycerol, pH7.3
Santa Cruz Alternative	Potential replacement for Santa Cruz Biotechnology antibody catalog# sc-50714 / sc-50715 / sc-50716 / sc-99005
Preparation and Storage	Store at -20 degree C (regular) and -80 degree C (long term). Avoid freeze / thaw cycles.

IMAGES



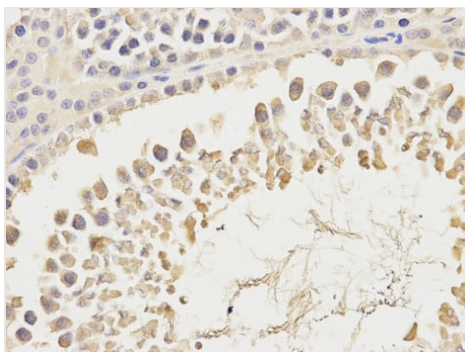
IF (Immunofluorescence)

Immunofluorescence analysis of HeLa cell using CA3 antibody. Blue: DAPI for nuclear staining.

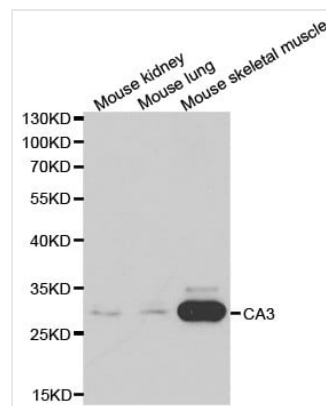


IHC (Immunohistochemistry)

Immunohistochemistry of paraffin-embedded rat testis using CA3 antibody at dilution of 1:200 (400x lens).



IHC (Immunohistochemistry)
Immunohistochemistry of paraffin-embedded rat testis using CA3 antibody at dilution of 1:200 (200x lens).



WB (Western Blot)
Western blot analysis of extracts of various cell lines, using CA3 antibody.

ADDITIONAL INFORMATION

Related Product Information for anti-CA3 antibody

Carbonic anhydrase III (CAIII) is a member of a multigene family (at least six separate genes are known) that encodes carbonic anhydrase isozymes. These carbonic anhydrases are a class of metalloenzymes that catalyze the reversible hydration of carbon dioxide and are differentially expressed in a number of cell types. The expression of the CA3 gene is strictly tissue specific and present at high levels in skeletal muscle and much lower levels in cardiac and smooth muscle. A proportion of carriers of Duchenne muscle dystrophy have a higher CA3 level than normal. The gene spans 10.3 kb and contains seven exons and six introns. [provided by RefSeq, Oct 2008]

NCBI AND UNIPROT INFORMATION

NCBI GI #	4885099
NCBI GeneID	761
NCBI Accession #	NP_005172.1
NCBI GenBank Nucleotide #	NM_005181.3
Molecular Weight	29,557 Da
NCBI Official Full Name	carbonic anhydrase 3
NCBI Official Synonym Full Names	carbonic anhydrase III
NCBI Official Symbol	CA3
NCBI Official Synonym Symbols	Car3; CAIII
NCBI Protein Information	carbonic anhydrase 3; CA-III; HEL-S-167mP; carbonate dehydratase III; carbonic anhydrase III, muscle specific; epididymis secretory sperm binding protein Li 167mP
UniProt Protein Name	Carbonic anhydrase 3
UniProt Gene Name	CA3
UniProt Synonym Gene Names	CA-III
UniProt Entry Name	CAH3_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.