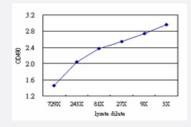


CA12 (Human) Matched Antibody Pair

Catalog # H00000771-AP51 Size 1 Set

Applications



Sandwich ELISA detection sensitivity ranging from approximately 729x to 3x dilution of the CA12 293T overexpression lysate (non-denatured).

Specification	
Product Description	This antibody pair set comes with a matched antibody pair to detect and quantify the protein level of human CA12.
Reactivity	Human
Interspecies Antigen Sequence	Mouse (81%); Rat (80%)
Quality Control Testing	Standard curve using CA12 293T overexpression lysate (non-denatured) as an analyte. Sandwich ELISA detection sensitivity ranging from approximately 729x to 3x dilution of the CA12 29 3T overexpression lysate (non-denatured).
Supplied Product	Antibody pair set content: 1. Capture antibody: mouse monoclonal anti-CA12 (100 ug) 2. Detection antibody: rabbit purified polyclonal anti-CA12 (50 ug) *Reagents are sufficient for at least 3-5 x 96 well plates using recommended protocols.
Storage Instruction	Store reagents of the antibody pair set at -20°C or lower. Please aliquot to avoid repeated freeze tha w cycle. Reagents should be returned to -20°C storage immediately after use.

Applications



• ELISA Pair (Transfected lysate)

Protocol Download

Gene Info — CA12	
Entrez GenelD	<u>771</u>
Gene Name	CA12
Gene Alias	CAXII, FLJ20151, HsT18816
Gene Description	carbonic anhydrase XII
Omim ID	603263
Gene Ontology	<u>Hyperlink</u>
Gene Summary	Carbonic anhydrases (CAs) are a large family of zinc metalloenzymes that catalyze the reversible hydration of carbon dioxide. They participate in a variety of biological processes, including respir ation, calcification, acid-base balance, bone resorption, and the formation of aqueous humor, cer ebrospinal fluid, saliva, and gastric acid. This gene product is a type I membrane protein that is hi ghly expressed in normal tissues, such as kidney, colon and pancreas, and has been found to be overexpressed in 10% of clear cell renal carcinomas. Two transcript variants encoding different is oforms have been identified for this gene. [provided by RefSeq
Other Designations	carbonic dehydratase

Pathway

• Nitrogen metabolism