

For Research Use Only

# Carbonic Anhydrase 6/CA6 Monoclonal antibody

Catalog Number: 66909-1-Ig



## Basic Information

<b>Catalog Number:</b> 66909-1-Ig	<b>GenBank Accession Number:</b> BC034350	<b>Purification Method:</b> Antigen affinity purification
<b>Concentration:</b> 1000 ug/ml	<b>GeneID (NCBI):</b> 765	<b>CloneNo.:</b> 1C8C7
<b>Source:</b> Mouse	<b>UNIPROT ID:</b> P23280	<b>Recommended Dilutions:</b> WB 1:1000-1:5000
<b>Isotype:</b> IgM	<b>Full Name:</b> carbonic anhydrase VI	
<b>Immunogen Catalog Number:</b> AG24274	<b>Calculated MW:</b> 35 kDa	
	<b>Observed MW:</b> 38 kDa	

## Applications

<b>Tested Applications:</b> WB, ELISA	<b>Positive Controls:</b> WB : human saliva tissue,
<b>Species Specificity:</b> human	

## Background Information

CA6 (Carbonic anhydrase VI) is a member of CA family proteins that play a central role in pH regulation and electrolyte balance. CA6 is also known as gustin, is a zinc-containing secreted protein which catalyzes the hydration of carbon dioxide in saliva. CA6 is specifically expressed in the salivary gland of a number of mammalian species (PMID:28423504). The amino acid sequences are highly conserved across the species. And it was reported that decreasing of CA6 protein was associated with loss of taste and pathological morphology of taste buds (PMID: 9784398).

## Storage

**Storage:**  
Store at -20°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.02% sodium azide and 50% glycerol, pH7.3  
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:

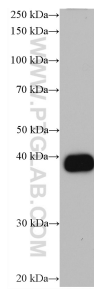
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## Selected Validation Data



human saliva were subjected to SDS PAGE followed by western blot with 66909-1-Ig (CA6 antibody) at dilution of 1:2500 incubated at room temperature for 1.5 hours.