

Anti-CABP5 Antibody (6A984)

Product Details

Ig Type:	Rabbit IgG
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	6A984
Purification:	Protein A

Applications

Application:	ELISA
Recommended	ELISA: 1:5000-1:10000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human CABP3 / CABP5 protein (TMPY-02955)
Antigen Species:	Human
Synonyms:	CABP3;calcium binding protein 5

Research Background

CABP3, also known as CABP5, belongs to a subfamily of calcium binding proteins, which share similarity to calmodulin. Calcium binding proteins are an important component of calcium mediated cellular signal transduction. Expression of CABP3 gene is retina-specific. The mouse homolog of CABP3 has been shown to express in the inner nuclear layer of the retina, suggested its role in neuronal functioning. The specific function of CABP3 gene is unknown. Study of the transcripts and genomic structure revealed that the 5 end of this gene is complementary and reverse to that of the CABP5 gene, and the sequence beyond the overlapping region is nearly identical to that of CABP5. Thus, these two genes encode the protein products with distinct N-terminal halves but identical C-terminal halves. CABP3 inhibits calcium-dependent inactivation of L-type calcium channel and shifts voltage dependence of activation to more depolarized membrane potentials. It is also involved in the transmission of light signals.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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