



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## PRKACB monoclonal antibody (M01), clone 2G8-1D12

Catalog # : H00005567-M01

規格 : [ 100 ug ]

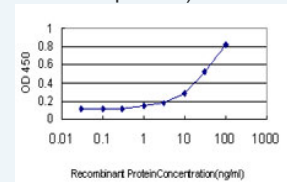
[List All](#)


### Specification

<b>Product Description:</b>	Mouse monoclonal antibody raised against a full length recombinant PRKACB.
<b>Immunogen:</b>	PRKACB (AAH16285, 1 a.a. ~ 257 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
<b>Sequence:</b>	MGNAATAKKGSEVESVKEFLAKAKEDFLKKWENPTQNNAGLEDFERKK TLGTGSFGRVMLVKHKATEQYYAMKILDKQKVVKLKQIEHTLNEKRILQA VNFPFLVRLEYAFKDNSNLYMVMYVPGGEMFSLRRIGRFSEPHARFY AAQIVLTFEYLSLDLIYRDLKPENLLIDHQGYIQVTDFGFAKRVKGRWT LCGTPEYLAPEIILSKGYNKAVDWWALGVLIYEMAAGYPPFFADQPIQIYE KIVSGKNF
<b>Host:</b>	Mouse
<b>Reactivity:</b>	Human
<b>Isotype:</b>	IgG1 kappa
<b>Quality Control Testing:</b>	Antibody Reactive Against Recombinant Protein.
<b>Storage Buffer:</b>	In 1x PBS, pH 7.4
<b>Storage Instruction:</b>	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.
<b>MSDS:</b>	 <a href="#">Download</a>
<b>Datasheet:</b>	 <a href="#">Download</a>

### Application Image

Sandwich ELISA (Recombinant protein)

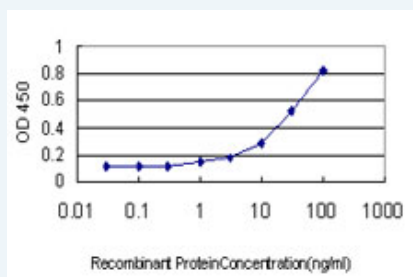


 [enlarge](#)

ELISA

### Applications

Sandwich ELISA (Recombinant protein)



Detection limit for recombinant GST tagged PRKACB is approximately 1 ng/ml as a capture antibody.

 [Protocol Download](#)

ELISA

### Gene Information

Entrez GeneID: [5567](#)

GeneBank [BC016285](#)  
Accession#:

Protein [AAH16285](#)  
Accession#:

Gene Name: PRKACB

Gene Alias: DKFZp781I2452,MGC41879,MGC9320,PKACB

Gene Description: protein kinase, cAMP-dependent, catalytic, beta

Omim ID: [176892](#)

Gene Ontology: [Hyperlink](#)

**Gene Summary:** cAMP is a signaling molecule important for a variety of cellular functions. cAMP exerts its effects by activating the cAMP-dependent protein kinase, which transduces the signal through phosphorylation of different target proteins. The inactive kinase holoenzyme is a tetramer composed of two regulatory and two catalytic subunits. cAMP causes the dissociation of the inactive holoenzyme into a dimer of regulatory subunits bound to four cAMP and two free monomeric catalytic subunits. Four different regulatory subunits and three catalytic subunits have been identified in humans. The protein encoded by this gene is a member of the Ser/Thr protein kinase family and is a catalytic subunit of cAMP-dependent protein kinase. Three alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]

**Other Designations:** OTTHUMP00000011663,OTTHUMP00000011664,OTTHUMP00000011666,PKA C-beta,cAMP-dependent protein kinase catalytic beta subunit isoform 4ab,cAMP-dependent protein kinase catalytic subunit beta,protein kinase A catalytic subunit beta

### Gene Pathway

[Apoptosis](#) [Calcium signaling pathway](#) [Chemokine signaling pathway](#) [Gap junction](#) [GnRH signaling pathway](#) [Hedgehog signaling pathway](#) [Insulin signaling pathway](#) [Long-term potentiation](#) [MAPK signaling pathway](#) [Melanogenesis](#) [Olfactory transduction](#) [Prion diseases](#) [Taste transduction](#) [Vascular smooth muscle contraction](#) [Vibrio cholerae infection](#) [Wnt signaling pathway](#)

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