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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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PRKACA purified MaxPab rabbit polyclonal antibody (D01P) MaxPab®

Catalog # : H00005566-D01P

規格 : [100 ug]

[List All](#)

Specification

Product Description: Rabbit polyclonal antibody raised against a full-length human PRKACA protein.

Immunogen: PRKACA (NP_002721.1, 1 a.a. ~ 351 a.a) full-length human protein.

Sequence:
 MGNAAAAKKGSEQESVKEFLAKAKEDFLKKWESPAQNTAHLDQFERIKT
 LGTGSFGRVMLVKHKETGNHYAMKILDQKQVVKLQIEHTLNEKRILQAV
 NFPFLVKLEFSFKDNSNLYMVMYVPGGEMFSLRRIGRFSEPHARFYA
 AQMLTFEYLHSLDLIYRDLKPENLLIDQQGYIQVTDGFAKRVKGRTWTL
 CGTPEYLAPEIILSKGYNKAVDWWALGVLIEYMAAGYPPFFADQPIQIYEKI
 VSGKVRFPESHSSDLKDLLRNLLQVDLTKRFGNLKNGVNDIKNHKWFAT
 TDWAIYQRKVEAPFIPKFKGPGDTSNFDDYEEEEIRVSINEKCGKEFSEF

Host: Rabbit

Reactivity: Human

Quality Control Testing: Antibody reactive against mammalian transfected lysate.

Storage Buffer: In 1x PBS, pH 7.4

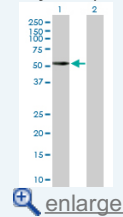
Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

MSDS:  [Download](#)

Datasheet:  [Download](#)

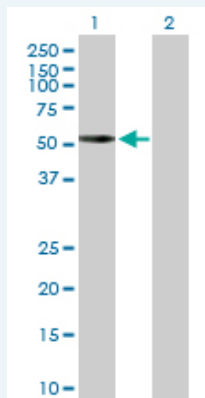
Application Image

Western Blot (Transfected lysate)



Applications


Western Blot (Transfected lysate)



Western Blot analysis of PRKACA expression in transfected 293T cell line (H00005566-T02) by PRKACA MaxPab polyclonal antibody.

Lane 1: PRKACA transfected lysate(40.60 KDa).

Lane 2: Non-transfected lysate.

 [Protocol Download](#)

Gene Information

Entrez GeneID: [5566](#)

GeneBank
Accession#: [NM_002730.3](#)

Protein
Accession#: [NP_002721.1](#)

Gene Name: PRKACA

Gene Alias: MGC102831,MGC48865,PKACA

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

Omim ID: [601639](#)

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. Alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq]

**Other
Designations:** PKA C-alpha,cAMP-dependent protein kinase catalytic subunit
alpha,cAMP-dependent protein kinase catalytic subunit alpha, isoform 1,protein kinase A catalytic subunit

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](#)
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