

RPA445Hu01 100µg
Recombinant Plakophilin 2 (PKP2)
Organism Species: Homo sapiens (Human)
Instruction manual

FOR IN VITRO USE AND RESEARCH USE ONLY
NOT FOR USE IN CLINICAL DIAGNOSTIC PROCEDURES

10th Edition (Revised in Jan, 2014)

[PROPERTIES]

Residues: Asp571~Ala849

Tags: Two N-terminal Tags, His-tag and T7-tag

Accession: Q99959

Host: *E. coli*

Subcellular Location: Nucleus. Cell junction,
desmosome.

Purity: >95%

Endotoxin Level: <1.0EU per 1µg
(determined by the LAL method).

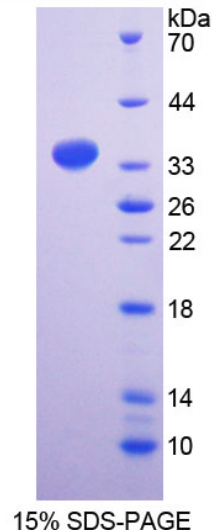
Formulation: Supplied as lyophilized form in 100mM
NaHCO₃, 500mM NaCl, pH8.3, containing 1mM EDTA,
1mM DTT, 0.01% sarcosyl, 5% trehalose, and
preservative.

Predicted isoelectric point: 8.7

Predicted Molecular Mass: 34.7kDa

Applications: SDS-PAGE; WB; ELISA; IP.

(May be suitable for use in other assays to be determined by the end user.)



[USAGE]

Reconstitute in sterile ddH₂O.

[STORAGE AND STABILITY]

Storage: Avoid repeated freeze/thaw cycles.

Store at 2-8°C for one month.

Aliquot and store at -80°C for 12 months.

Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

[SEQUENCES]

The sequence of the target protein is listed below.

DGRKAMRRCD GLIDSLVHYV RGTIADYQPD DKATENCVCI LHNLSYQLEA ELPEKYSQNI
YIQNRNIQTD NNKSIGCFGS RSRKVKEQYQ DVPMPEEKS NPKGVEWLWHS IVIRMYLSLI
AKSVRNYTQE ASLGALQNLT AGSGPMPTSV AQTVVQKESG LQHTRKMLHV GDPSVKKTAI
SLLRNLSRNL SLQNEIAKET LPDLVSIIPD TVPSTDLLIE TTASACYTLN NIIQNSYQNA
RDLLNTGGIQ KIMASAGDA YASNKASKAA SVLLYSLWA

[REFERENCES]

1. Mertens C., *et al.* (1996) J. Cell Biol. 135:1009-1025.
2. Mertens C., *et al.* (1999) Differentiation 64:277-290.
3. Daub H., *et al.* (2008) Mol. Cell 31:438-448.
4. Oppermann F.S., *et al.* (2009) Mol. Cell. Proteomics 8:1751-1764.